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A Short Guide

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U. S. Department of Agriculture

TO THE BEST VARIETIES OF EVER-GREENS, TREES, SHRUBS, VINES, PERENNIALS, FRUITS, WITH SPECIAL PRICES FOR SPRING 1949.

CATALOG 144

Prices void after
June 1, 1949



KELSEY
NURSERY
SERVICE

(Established 1878) 50 Church St., New York 7, N. Y.

HOW TO *Order Safely*

Fill in the order form, or use blank paper, and enclose check. You will get prompt acknowledgment. When proper shipping time comes, you will get shipment—express charges collect.

Order NOW, we ship at proper time later. Exact dates vary year by year, but generally these are safe. All evergreens.....Mid-April to mid-May Deciduous trees and shrubs.....April to early May Perennial plants.....Late April to late May

Contact your express agent—he's human, will cooperate in letting you know promptly when trees or plants arrive. Don't let a shipment lie in the express.

Plant as soon as you can—but if you must wait a few days, don't worry. They are well enough packed to stand it if you: Soak the bundle well, keep it from (1) heat or frost, (2) drying wind. Better yet, have a small hardy garden area of loose, light soil where you can heel in bundles—cover roots and parts of tops with earth, well watered down. This can be done in minutes, and such plants can wait weeks for final planting in right places.

HOW TO *Select the Best Plants*

The greatest danger is choosing a poor variety. Be "fussy" about your selections, and you won't be disappointed a few years later. Read catalog descriptions carefully—we try to be frank. Never buy the wrong kind because a young plant of it looks nice—or is cheap. If you cannot afford a large size of the right kind, then buy a small size and wait a few years. In most trees and shrubs there are three sizes: 1. Babies that have to be nursed. 2. Transplanted young plants that need only a year or two of ordinary growth. 3. Landscape sizes, already shaped and filled out. For most gardeners, the second size is the most fun and the most economical.

Some Plants Take Care of Themselves

There are plants which cannot honestly be said to derive any improvement from cultivation. Lists will be found at the beginning of each subject.

Where to look:

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We cannot control weather, drought, flood, poor soil, BUT:

GUARANTEE: If stock arrives in poor condition, we will refund all you paid us, or such part as you think proper. (No need to return plants, but claim must be made within 5 days of receipt of shipment.)

INSURANCE: Even if arrival is in good condition, we will credit you 50% of any losses in the first year. This credit you may use to replace the same or other plants, as you wish.

PACKING COSTS—Charged at cost (usually 10% of cost of stock unless "B&B"). **Free** if cash accompanies order, except stock dug with a ball of earth.

EXPRESS charges are extra (except in a few prepaid Special Offers). They are paid by you to the Express-man. We will estimate these costs if you like, on your order completely delivered.

PRICES—Net at the nursery. Transportation to be added at actual cost. Usually 5 sold at rate per ten, 50 at 100 rate.

ORDER FORM—Printed on back wrapper.

The biggest thrill in gardening is the unusual—striking, better kinds, colors and perfumes rather than common humdrum varieties. Even this book is too small to list all we can furnish—write for any size or kind you want but don't see.

Let Birds Control Your Pests

Some insect-eaters (●) eat many times their own weight daily! Berries are only for dessert! Birds will not prevent insects, but do control them.



Really Attract Birds with their known FAVORITE FOODS! The birds on the right-hand table PREFER the fruits indicated to your orchard fruits.

Amelanchier.....	x . . . x . . .
Ampelopsis (Quin.).....	x x . . . x x . . .
Benzoin (Spicebush).....	. . x x . . .
Celtis (Hackberry).....	x x
Cornus (Dogwoods).....	x x x x . . .
Crataegus (Varieties).....	. . . . . . . .
Ilex opaca (Holly).....	x x x . . .
Juniper (Red Cedar).....	x x
Lonicera.....	. . . . . . x . . .
Myrica (Bayberry).....	x x . . . x . x . . .
Morus (Mulberry).....	. . x x x . . x . . .
Nyssa (Tupelo).....	. x
Prunus (Native Cherry).....	x x x x . . . x . . . x
Rhus (Sumacs).....	x x x . x . . . x
Rosa (Wild Rose).....	. . . . . . . .
Sambucus (Elder).....	x x x x x . . .
Sassafras.....	. . x x x . . .
Sorbus (Mt. Ash).....	. . . . x
Symporicarpos (Red).....	. . . . . . . .
Viburnum (Blackhaw).....	x x x . . .
Vitis (Wild Grape).....	x x x

BASIC Plant Culture

as noted in
this catalog

In this short guide it is taken for granted that most trees and shrubs require normal food, air and water. Plants very easy to grow are referred to as "tolerant," or may have no notes whatsoever.

Light—"sun," "shade." Plants that get along on little light are marked "shade" in this Guide. Those that need a great deal are marked "sun." Normal plants are not marked—they live in sun or part shade.

Soil—"barren." Clay has no air, sand no water or food. Even mixed clay and sand alone does not make soil fit for most plants.

"Loams." As soon as humus is added, the soil becomes a "normal" soil. Air, food and water all complete. In addition, soil bacteria start living on the humus and release nitrogen thus making "top-soil."

"Rich," "fertile." Soils with much humus are fertile. By renewing the humus and bone meal such soils are permanently fertile. Commercial fertilizers must be repeated every year, as the fertilizer leaches away.

"Loose," "heavy." Roots get oxygen from air that filters into the earth. Some plants need more than others; these must have loose soil and will suffocate in heavy damp clays. Such plants are marked "drain" in this Guide.

"Damp." Roots can only use chemicals that are dissolved in water. Some plants need more than others and are marked "damp." A loose soil quickly dries, a heavy soil keeps damp. Thus water and air for the roots are both present in a mixed soil. Normal plants that thrive in this "ordinary garden soil" need no notation.

Humus. In some form, is useful to all plants.

1. Lightens heavy soil; lets light soil hold moisture.
2. Is nature's own food (nitrogen via bacteria).
3. Renew every two years.

Lime. 1. "Sweetens" the soil. 2. Promotes decay (humus into nitrogen). 3. "Flocculates" clay (makes it into loam).

Acid. To acidify soils, aluminum sulphate is quickest, but there is danger of damage in heavy soil. Straight sulphur (in commercial form as powder) does the same job in about 2 weeks and is harmless and easily obtained. An ounce to a square yard, sprinkled on the surface.

Fertilizer. All plants in gardens benefit by having plenty of food. 1. Strong growth (hardier). 2. Healthy.

● **Ferto-Pots** are made of kiln-dried cow manure. The pots soften up in the moist soil, readily available to the roots of the growing plants.

Start your seeds, seedling plants, cuttings, bulbs, etc., in Ferto-Pots and insure quicker, better results; no wilt, no setback in transplanting; less plant loss. Pot and all goes into the ground without disturbance or shock to the root system and continues to feed the growing plant.

(Postpaid)

2 inch diameter.....	100 for \$2.50
2½ inch diameter.....	100 for 2.75
3 inch diameter.....	100 for 3.25

● **Manure Bricks.** Dried, pressed, cow manure. A one-pound brick readily dissolves in 4 gal. water. Fine plant stimulant. (Postpaid E. of Miss.); 8 bricks for \$2.00. (50 bricks not postpaid) for \$11.00

BOOKS

We recommend.
Prices postpaid

tant garden flowers in accurately colored photographs—350 of them. Also brief culture... \$2.95

Garden Bulbs in Color (McFarland, Hatton, and Foley). 275 color plates form an invaluable aid to the selection and arrangement of varieties for your garden. Also 100 half-tones and cultural directions. 296 pages... \$3.49

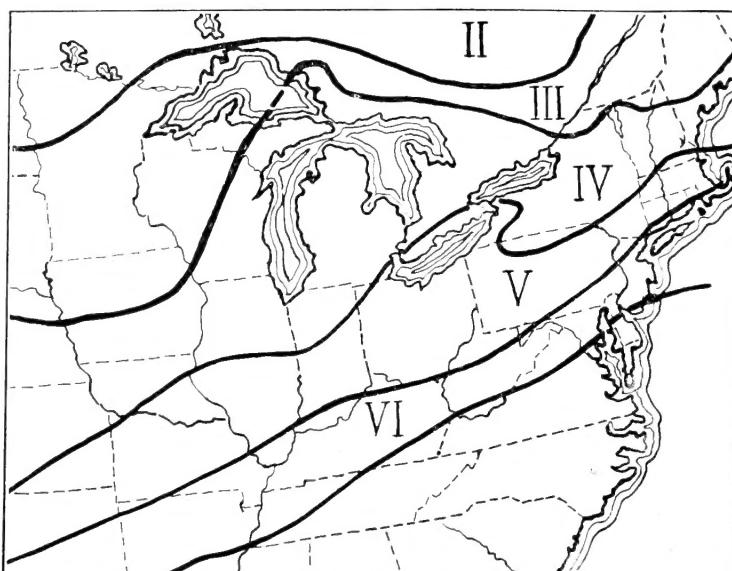
Hortus Second—Garden Dictionary (Bailey). Perhaps the best dictionary for America. Covers everything from forest trees to vegetables and house plants. 778 pages. \$7.50

The Cultivated Conifers (Bailey). The best for the evergreens—descriptions, culture, diseases, photos. 404 pages.... \$10.00

Standard Cyclopedia of Horticulture (Bailey). Again, in our opinion, the best non-technical complete reference book. New edition 1947. \$37.50

Garden Dictionary (Taylor). (Gold Medal of Mass. Hort. Soc.). 1,200,000 words, 500 illustrations. Sold at \$17, and now reduced to \$5.00. Very complete and satisfactory.

MAP: The numbers I to VI in the map refer to Zone numbers printed after each plant name throughout this Guide. It shows the northern limit beyond which any given plant cannot grow. (East of Indianapolis, a damper climate makes all evergreens hardier; West of Indianapolis hot summers make deciduous trees harder than rated in this Guide.)





YOUNG Native Aristocrats

Easy to Plant and Care for

Most people are surprised at the speed and ease of planting. Size 1 holes need a trowel only, 3 in. deep. Even Size 3 holes take but few good shovels full. Soak heavily after planting—and every 3 days for a month. Mulch heavily with old leaves.

SIZE 1: AS SMALL AS CAN BE SHIPPED SAFELY, 12 to 15 in. (Ball) Plants—1 to 3 Stem.

This special "Young Aristocrat" grade measures 12 to 15 inches with a small ball, weighing one or two pounds only. This stock is not to be compared for a minute with **ordinary** collected plants. It is on the contrary all carefully dug, the greatest pains being taken to preserve the roots. Carefully packed, it is easily planted and makes a quick start. Shipped from North Carolina, yet express runs only about 8c each (in 100 lots).

Rhododendron

	(10)	(25)	(100)
maximum.....	\$6.00	\$10.00	\$35.00
carolina.....	7.50	15.00	55.00
catawbiense.....	7.50	15.00	55.00

Azaleas

calendulacea.....	6.00	12.00	37.50
arborescens.....	6.00	12.00	42.50
viscosa.....	6.00	12.00	42.50
nudiflora.....	6.00	12.00	37.50

Leucothoe

catesbaei.....	6.00	11.25	37.50
----------------	------	-------	-------

Kalmia (Mountain Laurel)

latifolia.....	6.00	11.25	40.00
----------------	------	-------	-------

Rhododendron
Maximum



(Inset) Kalmia Size 1
(Photo) Rhododendron 3 years
after planting Size 1

Mountain Laurel



SIZE 3: BUSHY, HEAVY CLUMPS 1½ TO 2 FEET, B&B.

Most are budded for at least some immediate bloom. Large enough to use at once for foundations, shrub borders. Allow about 3 ft. space, which they will fill within next few years.

Any five of following kinds, \$15.75. Express costs about \$4.00 for the 5.

Azalea calendulacea. Orange, June.

Kalmia latifolia. Pink-white, June.

Leucothoe catesbaei. White, May.

Rhododendron carolina. Pink, May.

Rhododendron catawbiense. Rosy purple, June.

Rhododendron maximum. White-pink, July (shade).

Rhododendrons
low as 35c, in
few years with
little care, will
be bushy \$10
specimens

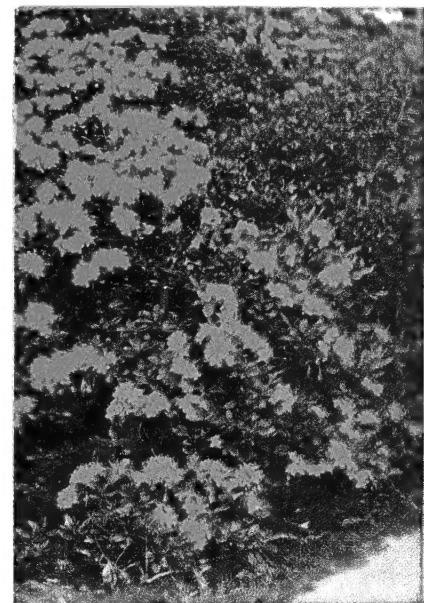


Native Rhododendron and Laurel

SIZE 2: AS SMALL A PLANT AS LOOKS SHAPELY.
12 to 15 in. B&B Clumps, 4 to 6 Stems.

These might be called "Junior Specimens." The ball weighs about 5 pounds per plant, individually burlapped. They are 2 years older than Size 1: Express runs about 20 cents per plant. You can expect some blooms the year after planting. These really "look like something" the day they are planted.

Azalea	(10)	(25)	(100)
Calandula	\$11.00	\$25.00	\$ 95.00
Kalmia (Mountain Laurel)			
Latifolia	11.00	25.00	95.00
Leucothoe (Fetterbush)			
Catesbaei	11.00	25.00	95.00
Rhododendron			
Carolina	12.50	30.00	115.00
Catawba	12.50	30.00	115.00
Maximum	11.00	25.00	95.00



Azalea Calendulacea

Native WILD FLOWERS

Success with wild flowers is simply a matter of putting them in the soil, exposure and general climate to which they are accustomed. It is important to arrange gardens where associated plants are grouped, rather than try to make artificial differences of soil in the same bed. Coddling is apt to do more harm than good.

Cardinal Flowers

Fiery 2-foot spikes, July-August. Moist, part shade. 3 for \$1.25; 12 for \$4.25.

Caroline Lupine

Thermopsis caroliniana. 3 ft. spikes of yellow pea-flowers, June-July. 3 for \$1.25.

Hepatica

Hepatica acutiloba. 6 inch. Blue-white, April. Shade, rich. 5 for \$1.50 (50, \$10.00).

Bloodroot

Sanguinaria canadensis. 18 inch. Pink-white, April. Shade, rich. 5 for \$1.50 (50, \$8.00).

Lady's Slippers

Cypripedium. Orchids, hardy outdoors in moist, peaty shade. Bloom in May. 3 of any one kind for \$1.25 (3 each, 9 plants, for \$3.50).

Acaule. Dark rose Moccasin Flower. **Pubescens.** Large yellow.

Spectabile. The Showy Pink Lady's Slipper. (Photo.)

Butterflyweed

Asclepias tuberosa. 18 inch. Orange in June-July. Sunny, well drained. 3 for \$1.25; 12 for \$4.25.



Hedges . . LIVING GARDEN WALLS

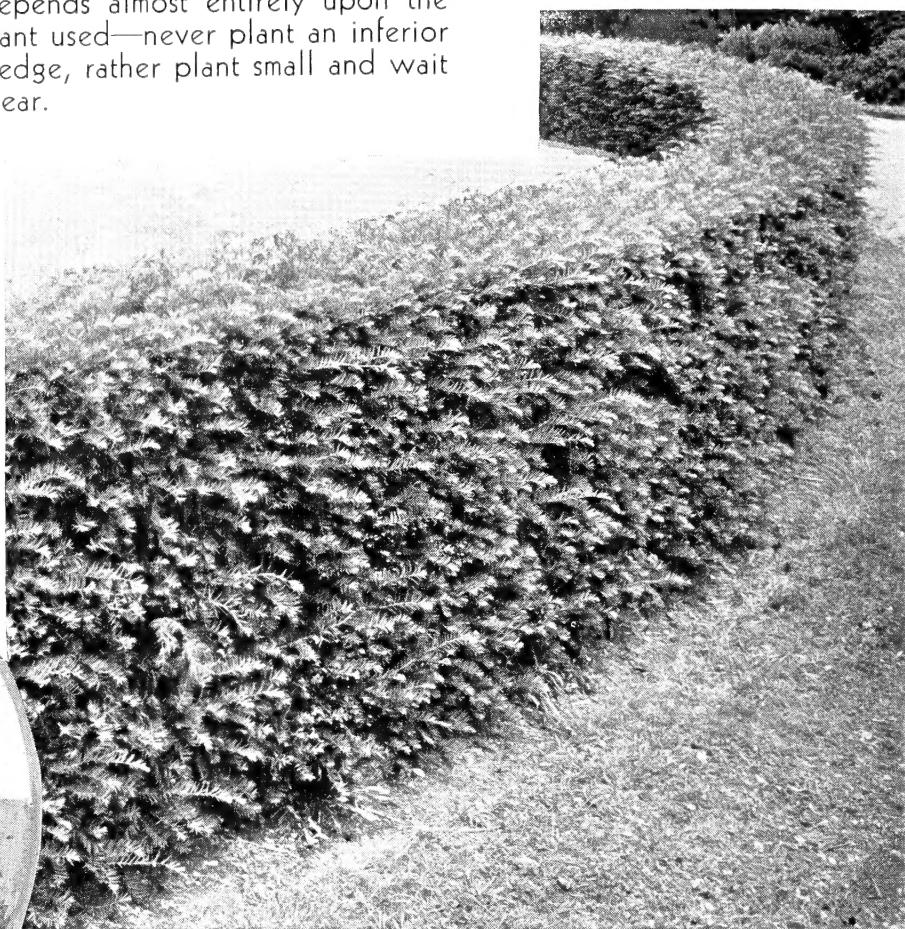
Cost depends almost entirely upon the size of plant used—never plant an inferior kind of hedge, rather plant small and wait an extra year.

Hedges Must Grow. An inch a year is enough—more if desired. When a hedge is too large, prune severely and then let the soft new growth come back. Fertilize: You have to prune all the more, but you have a nice hedge!

Experts agree that perfect hedges should be started from one to two feet high.



The 15-18 in. plants at left grew into the hedge above.



The Story of a Yew Hedge

The photos tell it: The 15-18 inch plants at the left were set 1½ feet apart in rich, drained soil. The first three years the faces of the hedge only were clipped, so that the fourth year the side branches touched and the tops were 4 feet high. It was then cut down to 3 feet.

One year later the hedge was solid everywhere, a handsome part of the garden. Each June thereafter the top and sides were pruned, letting an inch or two of new growth stay on. (You have to let a hedge keep growing a little every year.) The large photo was taken in its eighth year, a perfect hedge nearly 4 feet high.

No other plant than the Upright Yew is so trouble-free and handsome a hedge. You can start this spring with exactly the same bushy pruned, twice-transplanted little trees. No better can be grown—outstanding bargains:

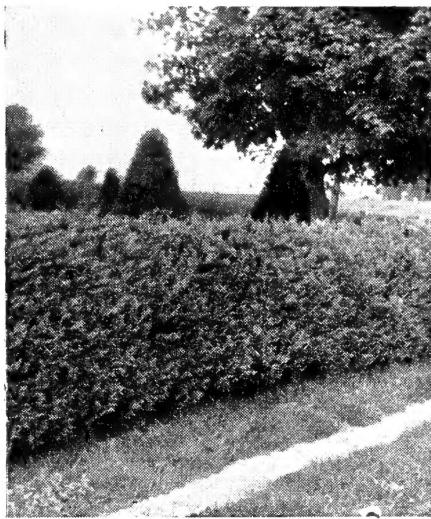
Planting Distance (ft.)	KINDS OF HEDGES	Size (Inches)	PRICE			
			25 or more	250 or more		
(each)						
EVERGREENS						
All bushy transplants						
1½	Tsuga (Hemlock)	12-15 in.	\$.60	\$.45		
1½	Thuja (Arborvitae)	12-18 in.	.80	.60		
1½	Taxus Vermeulen	12-15 in.	1.25	1.10		
1½	capitata	12-15 in.	.90	.80		
1½	Hicksii	9-12 in.	.65	.60		
½	Buxus suffruticosa	6- 8 in.	.75	.70		
DECIDUOUS						
1	Berberis Thunbergii	12-15 in.	.12½	.08		
3	Osage Orange	18-24 in.	.06	.03½		
1	Privet, amur	18-24 in.	.15	.09		
1	California	18-24 in.	.10	.08		
1	Ibolium	18-24 in.	.15	.10		
2	Rhamnus cathartica	2- 3 ft.	.18	.14		

Taxus Capitata (10)	(25)	(100)	(1000)
9 to 12 in.	\$22.50	\$ 80.00	\$700.00
12 to 15 in.	25.00	95.00	800.00
15 to 18 in. \$18.00	32.50	125.00	.....

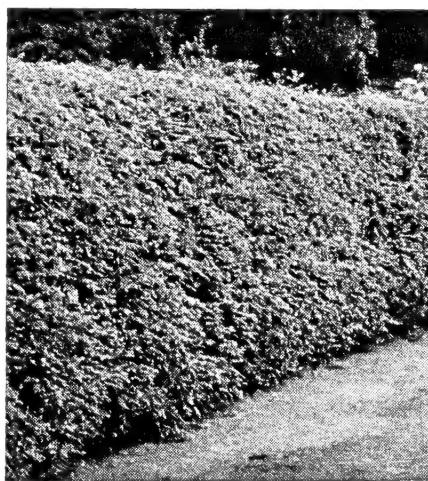
Young Deciduous Shrubs For Mass Planting



BOXWOOD is soft and natural.
Superb hedge.



JAPAN CYPRESS makes a quick, yet
impressive hedge.



HEMLOCK HEDGE is the softest texture
of all. Very beautiful, indeed.

BARBERRY

Thunbergi (25) (100) (1000)
6 to 9 in. \$ 6.00 \$45.00
12 to 15 in. \$4.00 12.50 80.00

Red Leaf

6 to 9 in. S. 3.00 10.00 65.00
12 to 15 in. 5.00 16.00 140.00

CORNUS (Dogwood)

Alba (siberica) (Red-branched)
12 to 18 in. 5.00 15.00 95.00

Stolonifera (Red Ozier)

12 to 18 in. 2.50 7.00 35.00

CRATAEGUS (Hawthorn)

coccinea
18 to 24 in. 5.00 15.00 125.00

cordata (Washington Thorn)

18 to 24 in. 15.00 55.00 500.00

CYDONIA (Quince)

japonica (Flowering Quince)
12 to 18 in. 4.00 12.00 75.00

FORSYTHIA (Forsythia)

spectabilis (new variety)
12 to 18 in. 3.00 12.00 75.00

suspensa (weeping forsythia)

12 to 18 in. 6.00 20.00 180.00

ILEX

verticillata (Winterberry)
18 to 24 in. 5.00 16.00 125.00

LIGUSTRUM

amurense (Amur Privet—"North")
12 to 18 in. 4.00 12.50 75.00

ibolium (Hybrid Privet)

12 to 18 in. 4.00 12.50 75.00

LONICERA (Honeysuckle)

Fragrantissima, morrowii,
tatarica alba and rubra
12 to 18 in. 4.00 12.00 65.00

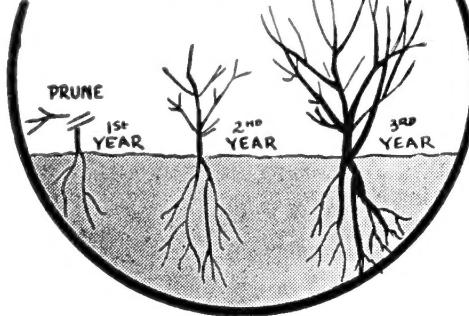
PHILADELPHUS (Mock Orange)

coronarius (Very fragrant)
12 to 18 in. 4.50 15.00 75.00

RHAMNUS cathartica (Buck-thorn)

12 to 18 in. 5.00 12.00 80.00

**It's easy! Plant 'em,
prune 'em, water 'em—
Nature does the rest!**



RHAMNUS frangula

(Glossy Buckthorn)
18 to 24 in. (25) (100) (1000)
X.....\$12.00 \$45.00

ROSES

rugosa rubra
6 to 10 in. 3.00 10.00 \$60.00

wichuriana (Memorial Rose)
12 to 18 in. 5.00 15.00 95.00

SPIREA

van houttei
Fine for mass or hedge plantings.
12 to 18 in. 3.50 10.00 75.00

SYMPHORICARPUS

Racemosus (Showberry)
12 to 18 in. 4.00 12.00 80.00

Vulgaris (Coralberry)
12 to 18 in. 2.50 7.00 40.00

SYRINGA (Lilac)

common purple
12 to 18 in. 5.00 15.00 100.00

common white (Lilac)
12 to 18 in. 5.00 17.50 125.00

Persian Lilac (Purple)
12 to 18 in. 6.00 22.00 175.00

VIBURNUM

American (Amer. Cranberry)
6 to 12 in. 5.00 17.50 140.00

opulus (Europe Cranberry)
12 to 18 in. X.....12.50 47.50 425.00

WEIGELA (Rosea)—May. Pink.
12 to 18 in. 5.00 15.00 95.00

SOME HEDGE SHAPES



GROUND COVERS

Prevent Erosion on Steep Banks

Steep slopes can be put into grass and mowed. But it is constant work and worry. The following plants do the job better. There are almost no maintenance problems. Four are inclined to get out of hand: Hedera, Lonicera, Rose and Vinca. They can, however, be rigorously pruned without the least harm.

Ground Cover Specials

Eventually one plant will cover a large area, but on banks it is important to get the soil held quickly. We suggest bad steeps be planted 18 inches apart each way—gentler slopes 2 feet, except as noted below:

PACHYSANDRA *terminalis*

Tolerant in poor soil and shade. Set 3 to each sq. ft.
(25) (100) (1000)
Rooted cuttings..... \$ 9.00 \$ 80.00
Asstd. field-grown.. \$4.00 12.50 95.00

ROSE *wichuriana* (Memorial Rose)

Branches grow quickly, droop and root. Thick-set effect. Best in sun.
12 to 18 in. S..... 6.00 19.00 115.00

CALLUNA *vulgaris* (Heather)

In sunny, windy, loose soils.
2-in. pots..... 7.50 27.50 250.00

LONICERA *japonica* (Honeysuckle)

Sun or shade. Any soil. Vigorous.
1-yr. light..... 5.00 27.50
12 to 18 in. X..... 5.00 15.00 120.00

WILDTHYME (*Thymus Serpyllum*)

A mat in sun or light shade that entirely blankets the ground. Evergreen. Can be walked on. Hardy to Zone III. Set 12 inches apart.
Sturdy plants..... 5.00 16.00 120.00

HEDERA *baltica* (Hardy English Ivy)

Fine ground cover, in shade or sun. Does not climb readily.
2½-in pots..... 6.00 22.00 170.00
3-in. pots..... 11.00 40.00 350.00

ARCTOSTAPHYLOS *uva-ursi* (Bearberry)

Low matting evergreen. Best cover for sandy banks—succeeds even on sea-shore. Sun, drain. Pot-grown..... 5 for \$3.50; 100 \$55.00.

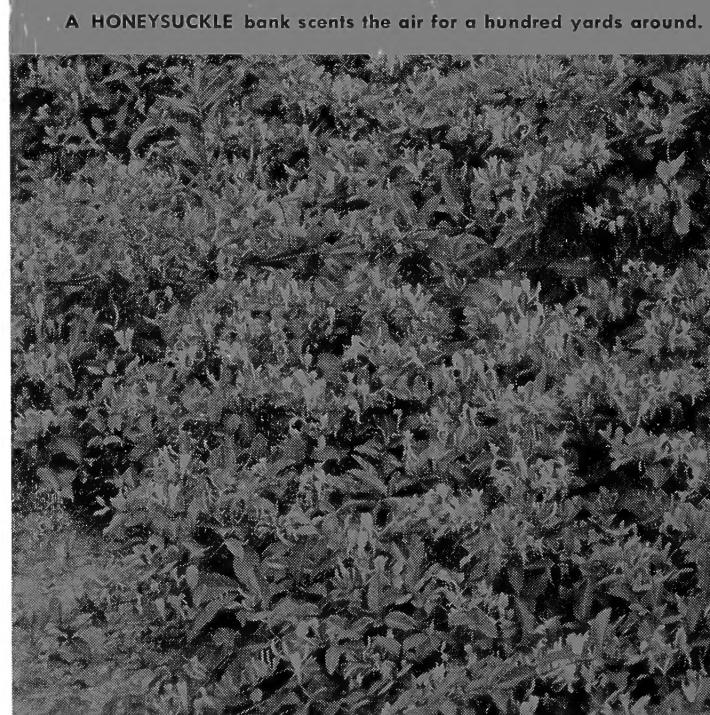
VINCA (The Myrtle)

The most satisfactory, showy, trouble-free of all ground covers. The leaf is small, shiny, dark green all year round. Even in full shade, the leaves grow thickly. It spreads by underground roots. To be sure of coverage within (say) 2 years, we recommend spacing 18 in. apart. There are blue flowers, showy and cheerful, all spring long and the plant will grow and thrive in any soil including barren sand or clay banks. **Planting—Clumps come tied compactly. Untie and spread out when planting.**

	(25)	(100)	(1000)
Strong clumps.....	\$4.00	\$12.00	\$90.00



PACHYSANDRA Makes a 6-inch carpet.



A HONEYSUCKLE bank scents the air for a hundred yards around.



PHOTO: A stepped slope planted with Vinca. No maintenance; perfect dense carpeting.

BELOW: Norway Maple



LARGER SHADE TREES

Bargains

	(10)	(100)	
ACER (Maple)			
<i>platanoides</i> (Norway)....6-8 ft.	.....	\$ 75.00	
<i>rubrum</i> (Red).....4-6 ft.	\$ 9.50	80.00	
6-8 ft.	15.00	110.00	
<i>saccharum</i> (Sugar).....4-6 ft.	9.50	80.00	
6-8 ft.	16.00	110.00	
BETULA (White Birch)....4-5 ft.	16.00	150.00	
<i>populifolia</i> (Gray).....4-6 ft.	9.50	80.00	
6-8 ft.	12.50	90.00	
<i>papyrifera</i> (Paper).....4-6 ft.	10.00	85.00	
6-8 ft.	15.00	110.00	
CORNUS <i>florida</i>.....4-6 ft.	15.00	115.00	
(Dogwood) 6-8 ft.	20.00	175.00	
FAGUS (Amer. Beech)....6-8 ft.	20.00	160.00	
FRAXINUS (White Ash)....4-5 ft.	8.00	50.00	
MULBERRY <i>tartarica</i>.....5-6 ft.	9.00	75.00	
POPLAR <i>Lombardy</i>.....5-6 ft.	7.00	65.00	
<i>tremuloides</i> (Aspen)....4-6 ft.	7.50	60.00	
<i>bolleana</i>.....4-5 ft.	9.50	90.00	
5-6 ft.	15.00	125.00	

Plan Ahead—Plant Now

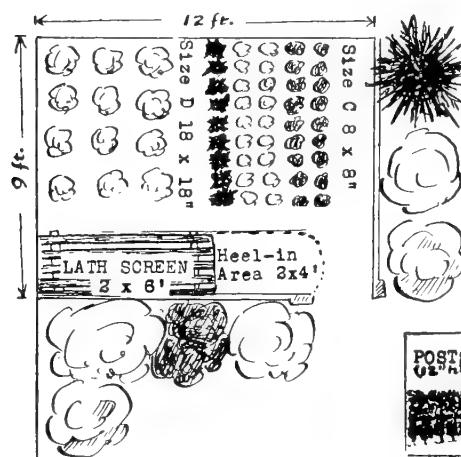
Young trees require little care, less expense and less trouble to plant than large. Order NOW the trees you need in the future.

	(10)	(100)	
QUERCUS (Oak)			
<i>Macrocarpa</i> (Bur).....5-6 ft.	\$30.00	\$240.00	
<i>Palustris</i> (Pin Oak).....4-6 ft.	10.00	75.00	
<i>Rubra</i> (Red Oak).....4-6 ft.	10.00	75.00	
<i>alba</i> (White Oak).....4-5 ft.	12.50	110.00	
<i>coccinea</i> (Scarlet Oak)....4-5 ft.	12.50	110.00	
SALIX (Willow)			
<i>Babylonian Weeping</i>....5-6 ft.	15.00	125.00	
<i>Wisconsin Weeping</i>....5-6 ft.	15.00	125.00	
<i>Golden Willow</i>.....5-6 ft.	15.00	125.00	
<i>Golden Weeping</i>.....5-6 ft.	15.00	125.00	
<i>Laurel-leaf</i>.....5-6 ft.	15.00	125.00	
SORBUS (Mt. Ash).....4-5 ft.	15.00	125.00	
5-6 ft.	25.00	195.00	
TILIA (Amer. Linden)....4-5 ft.	12.50	110.00	
ULMUS (Amer. Elm).....5-6 ft.	12.00	100.00	
<i>Pumila</i> (Siberian).....5-6 ft.	9.50	75.00	

Start a HOME NURSERY

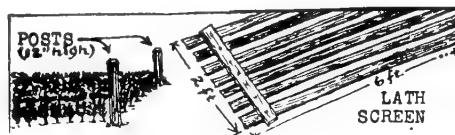
To indicate how really small a home nursery can be, and still be useful, we offer sketch and notes. Do not wait until you need trees—large ones and in a hurry—but look over your grounds and plant now what you need 3, 5 or even 10 years hence.

1. Save money and labor
2. Save disappointments
3. Save delays
4. Increase your enjoyment
5. Rare interesting varieties
6. Culture not difficult



Sketch of a
minimum
size
Home
Nursery

(Below) detail of lath-screen



The plan shows a corner of a lot using a 9 by 12 foot area for a nursery—no more space than used by a small specimen tree. The shrubbery masks the area. Exposure is planned as if north were at the top—but any exposure would do, locating the Lath-screen in shady spot.

Lath Screen sketched above is very important for young plants the first summer. Simply built of ordinary lath and a few nails. Screen is rested on the posts.

Heel-in Area. Even a tiny spot kept free for this purpose, enables one to temporarily plant a shipment of plants the day received. They can safely remain for weeks if need be before permanent planting. Water well.

NURSERY MANAGEMENT

All figures given are absolute minimum spacing

A—Seedlings or Rooted Cuttings

Must be shaded first two years. Planted 2" x 2", lath-house holds 432. After two years, must be transplanted into next grade.

B—Once Transplanted Grade

Grown as above, or bought. (Our 2 yr. and 3 yr. Azaleas, e.g.) Space about 4" x 4" (108 in the lath-house pictured). Shaded first year, but the second year shade omitted except in drought. In 2 years, now twice transplants ("XX"), usable as hedge plants, for bedding, etc.

C—Twice Transplanted Grade

Can be moved into open, spaced 8" x 8" (nursery pictured holds 162) and left two years. They are "shaped"; straggly branches lopped off with sharp knife. Cultivate, fertilize, water, no shade needed. After 2 years, they are XXX (three times transplanted), bushy and shapely. Such plants in this Guide would no longer be marked ★, as they are not now "small unformed young plants."

D—Specimens

Every garden needs some larger, well formed plants. Such specimens are grown 2 or more years spaced 18" x 18" (nursery pictured holds 32).

Tsuga compacta
Large Plant 8
years after
planting small
one.



EVERGREEN SHRUBS

Abelia

(Each)

Abelia Grandiflora (Everblooming).
12 to 15 in. (pot)..... \$1.25

Buxus (Box)

Koreana (Dwarf, hardy).
10 to 12 in..... 2.25

Holly

Ilex Crenata (Japanese).
8 to 10 in. (pot)..... 1.00

Convexa (like boxwood).
8 to 12 in. (pot)..... 1.00

Leucothoe

Leucothoe catesbaei (White, April).
8 to 12 in..... 1.90
15 to 18 in..... 2.75

Pieris

Pieris japonica (White, April, gorgeous).
8 to 10 in. XXBR..... 1.25

Pieris floribunda (White, May).
15 to 18 in..... 5.00

Sarcococca

Sarcococca Hookeriana Pumilis. Evergreen dwarf ground-cover shrub. Thrives in dense shade in poorest of soils.

3-in. pot..... .90
(10 for \$7.50).

Stransvaesia

Undulata. (Flat, spreading. Winey leaves and red berries all winter).
12 to 15 in..... 3.50

Viburnum

Rhytidophyllum (Showy evergreen).
8 to 12 in..... 1.75
18 to 24 in..... 2.90

YOUNG ARISTOCRATS



UNUSUAL VARIETIES

for your HOME NURSERY . . .

true-to-name because they are grafts and cuttings . . . easy to grow because they have already passed a season out-of-doors. Most Ball and Burlapped for still easier handling (except items marked BR). F.O.B. Long Island. Beautiful, health, and vigor.

EVERGREENS

Taxus (Yew)

(Each)
Dwarf Yew (*Brevifolia*) (*Nana*).
12 to 15 in. \$4.50

Kelsey's Berrybush Yew (Most berries).
10 to 12 in. XX BR. 1.25
18 to 24 in. 5.75

Hick's Yew (*Hicksii*).
12 to 15 in. BR. 1.40
15 to 18 in. 3.25

Spreading Yew (*Cuspidata*).
12 to 15 in. BR. 1.25

Vermuelen's Yew (Dwarf pyramid).
12 to 15 in. XX BR. 1.50
12 to 15 in. 3.00

Pyramidal Yews. (See Page 19). All 6 new kinds may be included).
8 to 10 in. (pot) 1.60

Hatfield Yew.
8 to 10 in. XX BR. 1.00

Hemlock

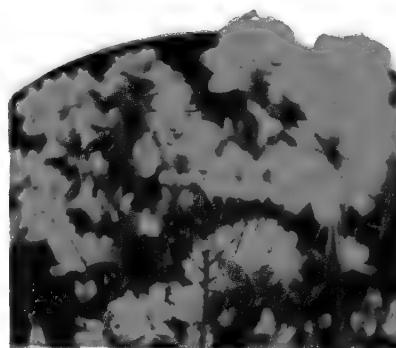
Tsuga canadensis pyramidalis. Graceful, semi-dwarf Hemlock.
15 to 18 in. 4.25

—*canad. compacta*. (Fine dwarf).
4 in. pot (1 yr. graft) 3.25



Magnolia conspicua

BUY ANY FIVE: One Young Aristocrat cannot be sold alone. Minimum order 5 mixed (25 assorted at 10% discount).



Kaempferi Hybrid Azalea



Acer atropurpureum

Viburnum rhytidophyllum

AZALEAS

(Each)
Azalea Hino-Crimson (New, hardy red).
6 to 8 in. \$2.20
10 to 12 in. (bushy) 4.00

—*Kaempferi* (Torch Azalea). May, orange-pink.
10 to 12 in. 2.50

—*Hakata Shiro Rubra*. Red, June. Dwarf, spreading, hardy.
10 to 12 in. 3.25

—*Poukhanensis* (Fragrant).
10 to 12 in. 2.50

DECIDUOUS TREES AND SHRUBS

Acer (Maple)

(Each)
Acer palmatum atropurpureum (Red-leaved Japanese Maple)
3-in. pot \$2.25
12 to 15 in. 4.25

Daphne

Daphne mezereum alba. White in March on dwarf, sturdy bush. Rare.
2½ to 3½ ft. 4.50

Franklinia

Franklinia alatamaha.
15 to 18 in. 2.25
18 to 24 in. 3.50

Hamamelis (Witch-hazel)

—*mollis* (Chinese Witch-hazel). Flowers before leaves appear. Fragrant.
10 to 12 in. (pot) 2.25
—*japonica red* (Also showy).
10 to 12 in. (pot) 2.25
—*japonica lemon yellow*.
10 to 12 in. (pot) 2.25

Magnolia

(Each)
Magnolia speciosa (Showy white).
2 to 3 ft. \$5.75

Magnolia soulangeana (Pink-Saucer).
2 to 2½ ft. 5.75

—*soulangeana leneei* (Red).
3-in. pots 2.50

Magnolia conspicua (Fragrant White).
3-in. pots 2.25

Viburnum

Viburnum carlesii (May-flowering).
2¼-in. pots 1.00

—*Burkwoodi* (New Hybrid).
6 to 8 in. (pot) 1.25
15 to 18 in. (pot) 2.50

Wisteria

—*praecox (issai)*. Blooms young. Blue.
4-inch pot 2.25
—*shiranoda* (White).
3-inch pot 1.25



THE YEAR AFTER PLANTING

These little White Pines were about 1 1/2 feet high, twice transplanted, and cost about 30c each.

TWENTY YEARS LATER

Photo near the same place shows trees 25 to 30 feet high. Worth \$50.00 or more each!

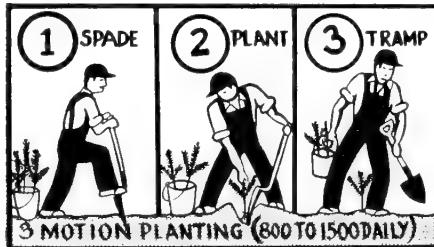
Young Trees

An empty acre produces only taxes.
An acre of trees, beauty, and profit.

in Quantity

YOUNG DECIDUOUS TREES

These need pruning back upon planting. To keep to a single stem: prune out all side twigs when planting, and then a month later go over the planting and again cut away all but one single stem.



(25) (100) (1000)
ACER (Maple)

dasycarpum (Silver Maple)
12 to 18 in. \$ 5.00 \$ 25.00
3 to 4 ft. \$4.00 12.00 75.00

platanoides (Norway Maple)
5 to 6 ft. X 11.00 40.00 390.00

rubrum (Red Maple)
12 to 18 in. 3.00 9.00 60.00
2 to 3 ft. 5.00 16.00 120.00

saccharum (Sugar Maple)
12 to 18 in. 3.00 9.00 60.00
2 to 3 ft. 5.00 16.00 120.00

BETULA (Birch)
populifolia (Gray Birch)
12 to 18 in. 3.00 9.00 60.00
2 to 3 ft. 5.00 16.00 120.00

papyrifera (Paper Birch)
12 to 18 in. 3.00 9.00 75.00
2 to 3 ft. 6.00 18.00 130.00

CERCIS (Red Bud)
12 to 18 in. 8.00 40.00
18 to 24 in. 10.00 60.00
2 to 3 ft. 4.50 15.00 95.00

CORNUS (Flowering Dogwood)
florida (White Flowering Dogwood)
6 to 12 in. 10.00 65.00
12 to 18 in. 5.00 15.00 100.00
18 to 24 in. 7.00 20.00 125.00

FAGUS (Beech)
ferruginea (American Beech)
12 to 18 in. 6.00 30.00
18 to 24 in. 3.00 7.50 40.00

(25) (100) (1000)
FRAXINUS (Ash)

12 to 18 in. \$3.00 \$20.00
2 to 3 ft. \$3.00 6.00 30.00

GINKGO BILOBA (Maidenhair)

4 to 6 in. 5.00 19.50
12 to 18 in. 9.00 32.50

HICORIA (Hickory)

lacinosa (Shellbark Hickory)
ovata (Shagbark Hickory)
6 to 12 in. 12.50 110.00

JUGLANS (Walnut)

nigra (Black Walnut)
12 to 18 in. 10.50 65.00
2 to 3 ft. 5.00 17.50 125.00

LIQUIDAMBER (Sweet Gum)

12 to 18 in. 10.00 65.00
2 to 3 ft. 5.00 15.00 110.00

LIRIODENDRON (Tulip Tree)

tulipifera (Tulip Tree)
12 to 18 in. 4.50 25.00
2 to 3 ft. 3.00 7.50 40.00

MORUS (Mulberry)

alba (Russian Mulberry)
12 to 18 in. 6.00 30.00
2 to 3 ft. 3.50 10.00 60.00

PLATANUS (Sycamore)

occidentalis (American Sycamore)
12 to 18 in. 7.50 45.00

POPULUS (Poplar)

nigra italica (Lombardy Poplar)
12 to 18 in. 6.00 37.50
3 to 4 ft. 4.00 12.00 90.00

(25) (100) (1000)

QUERCUS (Oak)

alba (White Oak)
12 to 18 in. \$5.00 \$15.00 \$ 95.00
18 to 24 in. 6.00 20.00 140.00

palustris (Pin Oak)

12 to 18 in. 5.00 15.00 110.00
18 to 24 in. 6.00 19.00 160.00

rubra (Red Oak, Northern)

12 to 18 in. 4.00 12.50 110.00
18 to 24 in. 6.00 19.00 160.00

ROBINIA (Locust)

pseudacacia (Black Locust)
12 to 18 in. 3.75 22.50
2 to 3 ft. 2.50 7.50 35.00

SALIX (Willow)—any one kind—

babylonica (Babylon Weeping)

Niobe (Golden Weeping Willow)
2 to 3 ft. 20.00 150.00

See Page 29 for other Willows.

TILIA (Linden)

americana (American Linden)
12 to 18 in. 12.50 90.00
2 to 3 ft. 5.00 18.00 155.00

ULMUS (Elm)

americana (American Elm)
12 to 18 in. 4.00 25.00
3 to 4 ft. 10.00 65.00

pumila (Chinese or Siberian Elm)

12 to 18 in. 4.00 25.00
3 to 4 ft. 4.00 12.00 85.00

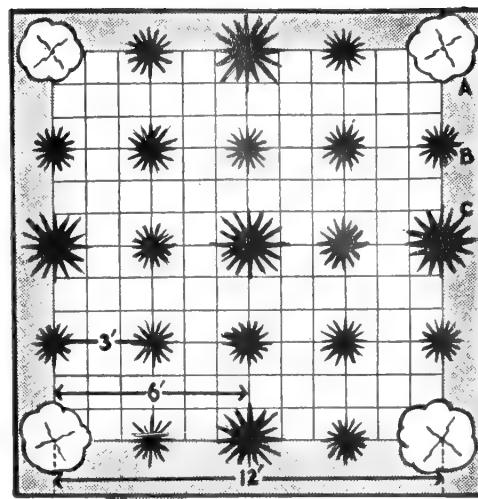
A PRACTICAL FOREST-CROP PLAN

Mixed planting, including hardwoods, reduces fire risk, minimizes diseases, increases cash return and diversifies. Total, 4800 trees per acre.

A. TIMBER (oak, ash, pine)—12 ft. apart (402 to acre). Leave 40-50 years. Meanwhile:

B. XMAS TREES (fir, spruce) on same land set 3 ft. apart (3630 to acre). 10 years.

C. PULPWOOD (pine, spruce)—Six feet apart (808 to acre). Crop, 20 years.



YOUNG EVERGREENS

(25) (100) (1000)

ABIES (Fir)

balsamea (**Balsam Fir**). Ideal evergreen for wet land. Best for Christmas trees.

4- 6 in. S	....	\$ 9.50	\$ 80.00
4- 6 in. X	....	85.00	
10-12 in. X	\$ 6.50	25.00	195.00
10-20 in. XX	....	32.50	.....

Douglas Fir (Pseudotsuga)

2 yr. S	....	45.00	
3- 6 in. X	....	75.00	
8-10 XX	15.00	55.00	450.00

CHAMAECYPARIS (Cypress)

filifera (Thread Cypress)

4- 6 in.			
(pots)	12.50	42.00	400.00

filifera aurea (Golden)

6- 8 in. X	11.00	40.00	375.00
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pisifera (Sawara Cypress)

4- 6 in.			
(pots)	11.00	40.00	375.00

pisifera aurea (Golden Cypress)

6- 8 in. X	11.00	40.00	375.00
8-10 in. X	15.00	55.00	.....

plumosa (Plumed Cypress)

6- 8 in. X	11.00	40.00	.....
8-10 in. X	13.00	50.00	.....

plumosa aurea (Golden Plume)

6- 8 in. X	11.00	40.00	350.00
10-12 in. X	12.50	45.00	400.00

JUNIPERUS (Junipers)

deprasse plumosa (Andorra Juniper)

10-12 in. X	11.00	40.00	375.00
12-15 in. X	15.00	55.00	450.00

excelsa stricta (Greek Juniper)

6- 8 in. X	12.00	40.00	375.00
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hibernica (Irish Juniper)

8-10 in. X	10.00	40.00	350.00
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pfitzeriana (Pfitzer's Juniper)

6- 8 in. X	9.00	35.00	300.00
8-10 in. X	10.00	38.00	325.00
8-10 XX	20.00	70.00	600.00

Pfitzer aurea (Golden Pfitzer)

4- 6 in. X	11.00	40.00	375.00
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virginiana (Red Cedar)

4- 6 in. X	9.00	55.00
12-18 in. X	5.50	18.00	125.00

LARIX (Larch)

European Larch (Europa)

2-year S.	8.50	55.00
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PICEA (Spruce)

alba (White Spruce)

2-year S.	40.00
3- 6 in. X	75.00

canadensis (Black Hills Spruce)

2- 4 in. S.	....	8.00	65.00
4- 6 in. X	5.00	17.50	150.00

excelsa (Norway Spruce)

2-year S.	30.00
5-10 in. X	75.00

18-20 XX	17.50	60.00
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(25) (100) (1000)

PICEA—Cont.

pungens (Colorado Spruce)

This species varies in color from blue to green.

2-year S.	....	\$ 9.00	\$ 52.50
3- 7 in. X	20.00	150.00
10-12 XX	\$ 16.00	55.00

PINUS (Pine)

mughus (Mugo Pine)

2-year S.	4.00	9.50	60.00
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resinosa (Norway Red Pine)

4- 6 in. S	10.00	90.00
4- 8 in. X	16.50	105.00
6-12 in.			
XX	22.00	160.00

12-24 XX	35.00
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strobus (White Pine). Can ship into most states.

2-year S.	30.00
6- 9 in. X	5.00	18.00	160.00

sylvestris (Scotch Pine)

2- 5 in. S	....	8.50	45.00
3- 7 in. X	....	11.00	80.00
6- 9 in. X	5.00	15.00	110.00

TAXUS (Yew)

Capitata (Upright Yew)

4- 6 in. X	9.00	30.00	250.00
8-10 in. X	12.00	40.00	350.00
9-12 in.			

XX	20.00	675.00
12-15 in.			

XX	22.50	800.00
15-18 in.			

XX	32.50	125.00
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cusp. brevifolia (Nana)

4- 6 in. X	10.00	35.00	300.00
6- 8 in. X	12.00	40.00	325.00
8-10 in. X	13.50	45.00	400.00

media Hicksii (Hick's Yew)

4- 6 in. X	9.00	35.00	300.00
6- 8 in. X	12.00	40.00	350.00
8-10 XX	16.00	60.00	550.00

media Kelseyi (Kelsey's Yew)

6- 8 in. X	10.00	35.00	300.00
8-10 in. X	14.00	50.00	450.00

Vermeulen Yew

4- 6 in. X	....	35.00	325.00
8-10 in. X	12.50	45.00	400.00
10-12 in. X	15.00	55.00	500.00
10-12 XX	20.00	77.50	.....

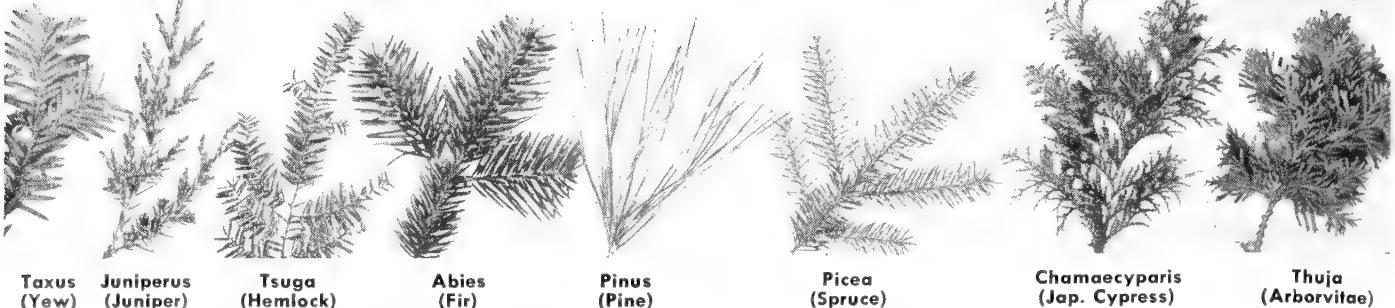
TSUGA (Hemlock)

canadensis (American Hemlock)

6- 8 in. S	3.00	9.00	45.00
4- 6 in. X	....	15.00	125.00
6- 9 in. X	6.00	23.00	200.00

9-12 in. X	9.00	33.00	295.00
12-15 XX	16.50	60.00	450.00

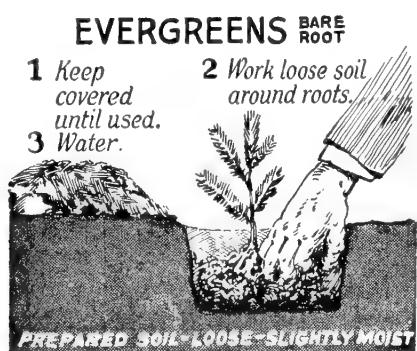
caroliniana (Carolina Hemlock)



EVERGREENS

SPACING EVERGREENS. Evergreens are so very long-lived that what is correct in youth is crowded after 25 years. Generally speaking, plants from 12 to 36 inches should be spaced three feet apart and rearranged at the end of 5 to 10 years.

DELIVERY COSTS. Prices include packing only on small, bare-root sizes—NOT on sizes marked “B&B”. Boxing is usually about 10% of the price additional. Express on small sizes is low—but on plants (B&B) it is about 40%. We will estimate cost in advance if you wish.



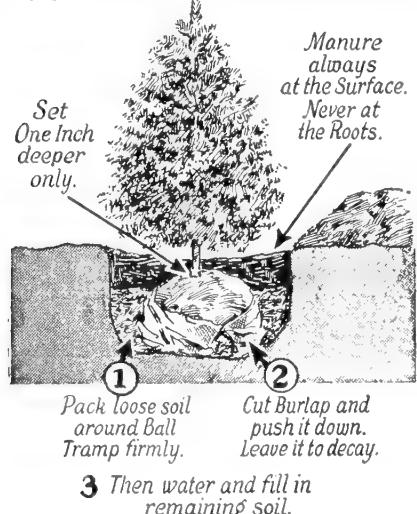
EVERGREENS GROW FAST

Large evergreens frequently are stunted by the shock of transplanting. One customer writes: “My neighbor paid \$30 apiece for 12-foot specimen Red Pine; I bought 18-inch XX (no earth ball) the same year. Today (12 years later) my trees are larger than his!”

Here are some average rates of growth (inches per year):*

Abies concolor	9
Juniper Pfitzer	15
—Sargent	10
—virginiana	11
Picea glauca	12
—conica	2
—excelsa	13
—pungens	11
Pinus cembra	6
—mughus	7
—nigra	11
—sylvestris	15
Pseudotsuga	
Taxus cuspidata	11
—Hicksi	12
—Kelseyi	8
Thuja occidentalis	11
Tsuga canadensis	12

PLANTING WITH A BALL



NOTE: Water is needed more by evergreens than by other plants. Keep moist before and after planting.



Pseudotsuga (Douglas Fir)

Chamaecyparis plum. aurea



*Small transplants grow at $\frac{1}{2}$ this rate the first two years.

AN EVERGREEN has leaves all winter—ready to do their work if the day chances to be warm enough. For this reason **extra water** must be given all newly-planted evergreens. Twice a week for a month. Evergreen roots contain resinous sap which hardens after exposure to the air for longer than two or three minutes. This is ample time to plant and firm a small evergreen, but it should be left in its moist packing until the moment of planting and watered soon after planting. For the two above reasons, larger evergreens are shipped with a ball of earth wrapped in burlap ("B&B"). This is not necessary in smaller sizes if simple precautions are taken as above.

Since the leaves are always ready to function, evergreens have no thoroughly dormant season (unlike deciduous plants). Transplanting is therefore done later in spring, and much earlier in autumn than other trees and shrubs.

No soil or exposure but has some coniferous evergreen suited to it. Dense shade and dampness will grow Hemlock and strong, baking sun on light, dry soil will grow Junipers.

ABIES. Stately, "spruce"-like evergreen trees, holding their lower branches into a riper old age than any spruce. Good soil, drainage, sun.

balsamea (Balsam Fir). 60 ft. Zone III. Dark, shapely pyramid. Needs cool moist soil. Best in North. Best Christmas tree.

★ 4- 6 in. S.....50 for \$4.75
★10-12 in. X.....25 for \$6.50
★10-12 in. XX....25 for \$12.00

concolor (White Fir). 50 ft. Zone IV. Dense pyramid silver green. Drainage. Tolerant in cities. Softest of dull silver—almost white.

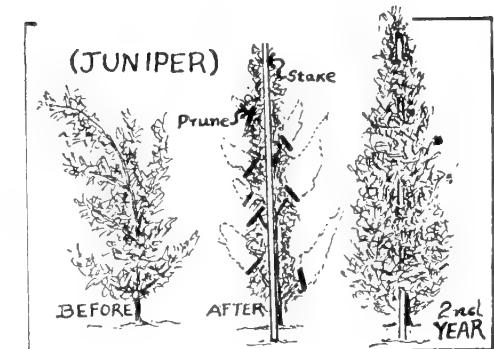
★ 6-10 in. X.....25 for \$20.00
18 in. B&B \$5.00, 2 ft. \$6.50

douglasii (See *Pseudotsuga*)

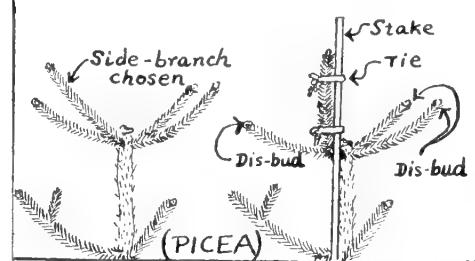
CEPHALOTAXUS drupacea fastigiata (Columnar Plum-Yew). Rugged green column, like Irish Yew. Zone VI.

15-18 in. B&B.. \$5.50, 5 \$25.00
2-2½ ft. B&B... \$7.00, 5 \$32.50

Training Evergreens



Repairing Broken Leader



Evergreens are Easily Trained

A few minutes a year will keep them growing bushy and shapely. The above sketches show how.

CHAMAECYPARIS. "Retinopora" (Japan Cypress). Evergreen trees of easy culture. Most are at best semi-dwarf, not truly dwarf.

lawsoniana (Lawson's Cypress). 120 ft. Zone V. Huge, tall tapered column of green. Moist climate.
★12 in. X, 25 \$16.00, 100 \$60.00

obtusa (Hinocki Cypress). 35 ft. Zone III. Acid, humus, moist. Ornamental, slow. Dark green column.
2½ ft. B&B....\$8.00, 5 \$35.00

NANA (Dwarf Hinocki). A 5 ft. dwarf that looks ancient when it is born. Excellent in rock gardens.

★2½-in. pots
25 \$16.00, 100 \$60.00
2-3 ft.\$6.00, 10 \$50.00

pisifera (Sawara Cypress). 35 ft. Any good soil. Loose growth. Makes a quick pyramidal tree and stands harsh exposures. Zone III.

★ 4-6 in. (pots)...25 for \$11.00
★12 in. X, 5 \$4.50, 100 \$70.00
2 ft. B&B....\$4.00, 5 \$17.50

AUREA (Golden Sawara). Shining yellow. 35 ft.

★8-10 in. X 10 \$6.50, 100 \$55.00
18-24 in. B&B.. \$3.50, 5 \$15.00

filifera (Thread Cypress). 20 ft. Stringy leaves. Compact broad pyramid. Semi-dwarf and useful almost anywhere. Unusual appearance and character. Zone III.

★ 4-6 in. (pots)...25 for \$12.50
15-18 in. B&B, \$4.50, 10 \$37.50

AUREA (Gold-Thread). Only 12 ft. Yellow. A good dwarf.

★8 in. X...10 \$6.50, 100 \$50.00
18-24 in. B&B \$3.50, 5 \$15.00

plumosa ((Plumed Cypress)). 35 ft. Feathery pyramid. Good hedge plant. A good accent tree. Often used in foundation plantings, but not suitable really. Zone III.

★ 8-10 in. X.....25 for \$13.00
★12-15 in. X.....25 for \$18.00
18-24 in. B&B \$4.00, 10 \$35.00

AUREA (Gold-Plume). 25 ft. Good yellow color at tips. An interesting small tree. The color is balanced by green. A striking hedge. A good specimen.

★ 4-6 in. X.....25 for \$9.00
★10 in. X 5 \$4.00, 100 \$45.00
18-24 in. B&B, \$3.00, 5 \$12.50

squarrosa Veitchii (Veitch Moss). Unusual. 20 ft. Dense, woolly silver foliage unlike any other evergreen. Apt to winter damage beyond Zone VI.

★10-12 in. X.....25 for \$13.00
18-24 in. B&B, \$4.50, 10 \$37.50

*=young, unformed. X=transplanted. B&B=ball of earth, shapely. Plants not marked: well shaped.

JUNIPERUS. The Junipers are a race of evergreens that succeeds even in well-drained soil in full sun.

chinensis pfitzeriana (Pfitzer Juniper). 6 ft. Zone IV. Gorgeous bush, a cloud of silver in spring, then bright green. Spreads picturesquely. Stand soot, smoke, and drought in city plantings. Easily grown.

★ 6 in. X 25 \$ 9.00, 100 \$ 35.00
★ 12 in. X 25 \$15.00, 100 \$55.00
★ 10 in. XX 25 \$27.50, 100 \$110
18-24 in. B&B \$4.50, 5 \$20.00

PFITZER AUREA. A form with rich yellow color—otherwise same.

★ 4-6 in. X .10 \$5.50, 25 \$11.00
30-in. B&B \$6.00, 5 for \$28.00

PFITZER COMPACTA. Neater and smaller, to 4 feet. Otherwise same.

★ 6-8 in. X 25 \$10.00, 100 \$38.00
18-24 in. B&B \$4.50, 10 \$40.00

sargentii (Sargent). 3 ft. Zone IV. Flat, spreading. Color grass green; a neat plant. This is good for low mass effects, also as specimens.

★ 8 in. X 25 \$13.00, 100 \$50.00
18 in. B&B....\$6.00, 10 \$55.00

communis depressa (Canadensis). 6 ft. Zone II. Bushy; dusty green. Stands damp soil.

★ 8 in. X 25 \$13.00, 100 \$50.00
15-18 in. B&B \$3.50, 10 \$33.00

depressa aurea (Golden Bush-Juniper). 3 ft. A lower, neater form with yellow foliage.

★ 4-6 in. X 25 for \$9.00
12-15 in. B&B \$4.00, 5 \$18.00

communis hibernica (Irish Juniper). 15 ft. Zone III. Green column. Popular. This makes a fair substitute for the thin spires of true Cypress.

★ 8 in. X 25 \$10.00, 100 \$40.00
18 in. B&B....\$3.00, 10 \$27.50

excelsa stricta (Green Juniper). 6 ft. Zone V. Blue, stiff, fat pyramids. A fine dwarf, very neat, but rather formal.

★ 6 in. X 25 \$12.00, 100 \$40.00
12-15 in. B&B \$4.00, 5 \$17.50

horizontalis (Creeping Savin). 2 ft. Zone II. Flat spreading, covers large areas. Green.

★ 8 in. X 25 \$11.00, 100 \$40.00
15 in. B&B....\$3.50, 10 \$27.50

DOUGLASI (Waukegan). Variety with blue foliage. Purple in winter.

★ 8 in. X .25 \$8.00, 100 \$31.00
12-15 in. B&B \$3.00, 5 \$27.50

PLUMOSA (Andorra Juniper). A dense, low mat, with soft crested plumes that turn purple in winter.

10 in. X 25 \$11.00, 100 \$40.00
12 in. X 25 \$14.00, 100 \$50.00
15 in. B&B....\$3.50, 10 \$32.50

Pfitzer's (See *J. Chinensis Pfitzer*).

sabina (Savin Juniper). 5 ft. Zone IV. Irregular vase-like bush. Good dwarf for foundations. Dark green color. Always graceful.

★ 6 in. X 25 \$13.00, 100 \$50.00
18-24 in. B&B \$4.00, 5 \$18.00

squamata Meyeri (Meyer Juniper). 5 ft. Zone IV. Upright in a natural way, not stiff. New growth purple, old growth green.

★ 2½ in. pots.....25 for \$13.00
12 in. B&B....\$3.00, 10 \$27.50

virginiana (Native Red Cedar). 30 ft. Zone II. Prefers a loose soil. Usually a dark green pyramid. This is best used in masses. Easily grown. Should be sheared.

★ 12 in. X 25 \$5.00, 100 \$18.00
2½-3 ft. B&B \$6.50, 10 \$55.00

GLAUCA (Silver Cedar). 20 ft. Smaller edition, with silver leaves.

2-2½ ft. B&B \$5.00, 5 \$22.50

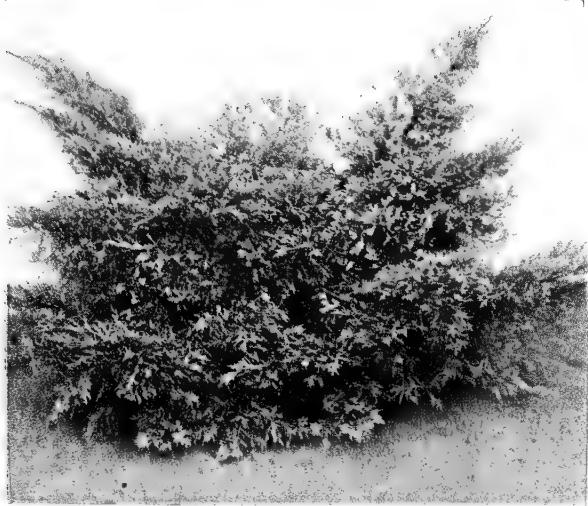
KETELEERI (Keteleer Cedar). 18 ft. A thick column, compact to base. Dark. Almost architectural in effect. Surpassingly rich and luxuriant.

2-2½ ft. B&B \$5.00, 10 \$42.50

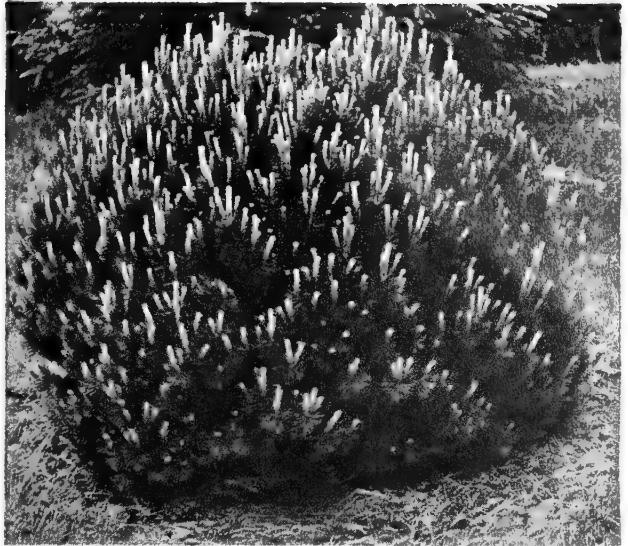
* = young, unformed. X = transplanted.
B&B = ball of earth, shapely. Plants not marked: well shaped.

Photo: Junipers—1. Virginiana Keteleeri. 2. squamata Meyeri. 3. Sabina. 5. chinensis Sargentii. 6. sabina tamariscifolia. 7. excelsa stricta. 8. chinensis hibernica. 9. procumbens. 10. communis depressa. 11. virginiana Kosteri.





Pfitzer Juniper



Mugho Pine

PINUS. Pines vary in size and shape but alike in one thing—all thrive in windy exposed locations.

banksiana (Jack Pine). 60 ft. Zone II. Broad tree with short and twisted needles. Dry, sandy soil.

★5 to 7 in. 100 for \$11.00

cembra (Swiss Stone Pine). 30 ft. Zone IV. Slow. Dense pyramid. A fine small specimen tree.

2 ft. B&B....\$5.00, 5 for \$22.50

densiflora umbraculifera (Japan Table Pine). 8 ft. Zone IV. Slow and dwarf. Also called "Tanyosho."

2-3 ft. B&B...\$9.00, 5 for \$40.00

montana mughus (Mugho). Zone II. 3 ft. Broad, low, bushy. Grown from seed, but larger sizes carefully selected, low and compact.

★4 to 6 in. X.....50 for \$9.50
15 in. B&B....\$4.50, 10 \$35.00

nigra (Austrian Pine). 70 ft. Zone IV. Compact for a large tree. Neat. Likes lime. Seashore, but not on the water.

★2 year S.....100 for \$7.50
2 ft. B&B....\$7.50, 10 \$65.00

ponderosa (Western Yellow Pine). 120 ft. Zone V. Huge tapered pyramid.

★4 to 6 in. X.....50 for \$7.50

strobus (White Pine). 90 ft. Zone III. The noblest native evergreen. Prefers rich soil. Light green needles, soft and dense. Subject to special interstate quarantines. We have growers in a dozen states and can ship almost anywhere.

★6- 9 in. X.....50 for \$9.00
★9-12 in. X.....25 for \$7.00
2-3 ft. B&B....\$4.50, 10 \$42.50

sylvestris (Scots Pine). 90 ft. Zone II. Large, stately tree. Useful for sandy, barren soils, but grows well in gardens. Prefers acid. Popular in small sizes for forest plantings.

★6-9 in. X.....50 for \$7.50
2-3 ft. B&B....\$6.00, 10 \$50.00

resinosa (Red or Norway Pine). 80 ft. Zone II. A fine native with long dark needles and spreading habit. Very easily grown. Few insect pests. Most popular.

★ 6-12 in. XX....50 for \$11.00
★12-24 in. XX....50 for \$17.50
18-24 in. B&B \$3.50, 10 \$30.00

PSEUDOTSUGA taxifolia (Douglas Fir). 70 ft. Zone IV. Evergreen tree. Shapely, handsome pyramid. Prefers rich soil, but tolerant. Good in garden or forest. This green is in every way better than ordinary spruces.

★ 6-12 in. S.....50 for \$6.50
★ 8-10 in. XX....25 for \$13.50
★12-15 in. XX....25 for \$27.50
2 ft. B&B....\$6.00, 10 \$55.00

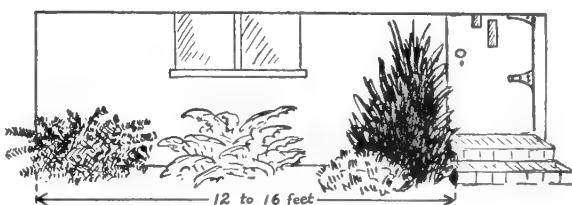
Foundation Planting

Proper planting is not a great mass of greenery masking a house face—but merely a low group of dwarfs to tie the house down to the lawn. Large-growing kinds in ten years become so unsightly they must be replaced or artificially clipped. True dwarf kinds remain for generations growing in beauty every year. Spacing for dwarfs should be about 3 feet to a plant. At the start, small plants will look "skimpy" but in five years or so will fill the area.

TRUE DWARF EVERGREENS

Low, Spreading	Narrow, Upright
Jun. comm. depressa	Jun. excelsa stricta
Taxus repandens	Juniperus hibernica
Taxus cusp. nana	Picea canad. conica
Tsuga Sargentii	Taxus stricta
Pinus Mughus	Taxus media Hicksi
Thuja Little Gem	Thuja pyramidal

Bushy, Dwarf
Chamaecyparis nana
Juniperus Pfitzeri
Juniperus Meyeri
Picea Maxwellii
Thuja occid. globosa
Taxus Vermeulen
Taxus media Kelseyi



FOUNDATION OFFER

Sketch shows a proper grouping of dwarfs. We offer the whole group as below, packed for express shipment, for \$25.00. From left to right:

- 1 Taxus nana 18-24 inch B&B
- 1 Pfitzer Juniper 1½-2 ft. B&B
- 1 Mugho Pine 15-18 inch B&B
- 1 Taxus Hicksi 2 to 2½ ft. B&B

Other special foundation offers:

- Rhododendrons, 1½-2 ft. B&B, Page 4.
- Dwarf Yews Collections, Page 20.

PICEA (Spruces). Generally these evergreens are easily grown in normal garden soil. A few fine dwarfs—the rest forest giants.

abies—"excelsa" (Norway Spruce). 80 ft. Zone II. A dark green, drooping pyramid. Shallow roots enable planting on thin soils. Enormously popular for quick growth.

★8-12 in. X.....25 for \$8.00
★8-12 in. XX.....25 for \$12.00
18 in. B&B \$2.50, 100 \$195.00

GREGORIANA. 2 ft. Tiny needles on a pale green mound.

24-30 in. B&B.....\$12.50 each

MAXWELLI (Maxwell). 2 ft. Greener, and more spreading.

10 in. B&B.....\$3.00 each
18 in. B&B.....\$6.75 each

NIDIFORMIS (Bird Nest). 3 ft. Grotesque rock garden dwarf.

6 in. B&B..\$2.25, 5 for \$10.00
12 in. B&B..\$5.00, 5 for \$20.00
24 in. B&B.\$10.00, 5 for \$45.00

PYGMAEA (Pygmy). 3 ft. Compact, small, upright, irregular pyramid.

6 in. \$2.00 9-12 in. B&B \$3.00

Engelmanni (Englemann Spruce). 75 ft. Zone II. Wonderful native. Varies from green to steel blue. Dense and shapely. Heavy soil.

★2-5 in. X.....50 for \$11.00

glauca — "Canadensis" (White Spruce). 80 ft. Zone II. Quick-growing and shapely. In the northeast generally more satisfactory than Norway for forest planting.

★ 9-12 in. X.....50 for \$17.50
★12-15 in. X.....25 for \$12.00
18-24 in. B&B \$3.00, 10 \$25.00

ALBERTIANA (Black Hills). 20 ft. Zone III. Better suited to dry climates than White Spruce. A majestic, bushy pyramid.

★ 4- 6 in. X.....25 for \$5.00
★10-12 in. XX.....25 for \$12.50
18 in. B&B.....\$4.50, 5 \$20.00

CONICA (Dwarf Alberta). Miniature in height and leaf. 6 ft. Zone III. Tiny and slow. Probably the best true Dwarf conifer.

9 in. B&B.....\$3.00 each
12 in. B&B.....\$4.25 each

NANA (Dwarf White Spruce). 8 ft., bushy, useful, hardy.

9 in. B&B.....\$3.50 each
12 in. B&B.....\$4.50 each

koyamai (Koyamai Spruce). 50 ft. Zone IV. Dignified from babyhood. A narrow pyramid with white stripes on dark needles.

★6-9 in. X.....25 for \$7.50

orientalis (Oriental Spruce). 80 ft. Zone IV. Slow, compact, graceful. Humus. Dark needles.

2-3 ft.....\$6.00, 5 for \$27.00

politá (Tigertail Spruce). 100 ft. Zone V. Handsome tree. Showy new spring growth.

2-yr. grafts.. \$2.75, 5 for \$10.00

pungens. 80 ft. Zone II. Best spruce for dry climates. Very tolerant. Varies from green to silver, as offered here.

★ 3- 6 in. S.....50 for \$7.00
★ 3- 7 in. X.....50 for \$10.00
★ 8-10 in. XX.....25 for \$12.50
18-24 in. B&B \$4.00, 5 \$17.00

GLAUCA (Blue Spruce). A form of uniform silver sheen. Otherwise same as above.

18 in. B&B.....\$7.50 each
3 ft. B&B.....\$12.50 each

MOERHEIMI (Moerheim Blue). Grafted Blue Spruce. Fine color.

15 in. B&B.....\$9.00 each
2 ft. B&B.....\$13.00 each

PHOTO: Spruces—1. Engelmann Spruce. 2. Omorika Spruce. 3. White Spruce. 4. (Dwarf) Gregoriania. 5. Pygmy Spruce. 6. Norway Spruce. 7. (Dwarf) Alberta Spruce. 8. (Dwarf) Maxwell's Spruce. 9. Colorado and Koster.





Norway Spruce



A Hemlock Specimen (page 21)

TAXUS. The Yew can be recommended for any and every purpose in which evergreens are required. Hardy, immune to most diseases and pests; accommodating to an extraordinary degree, withstanding full shade or full sunshine.

media Hatfieldi (Hatfield's Yew). 12 ft. Zone IV. A compact cone in outline. The branches are upright. Full of character.

(25) (100)

★ 6 in. X..... \$12.00 \$ 45.00
18 in. B&B. \$7.00 each, 5 \$30.00

HICKSII (Hicks). 10 ft. Zone IV. Strong, fat upright shrub. Fine for hedges. Good berries.

(10) (100)

★ 4- 6 in. X.... \$ 4.25 35.00
★ 6- 8 in. X.... 5.25 40.00
★ 8-10 in. XX... 8.00 60.00

★12-15 in. XX... 14.00 120.00
(Each) (10)

1½-2 ft. B&B... 6.00 55.00

KELSEYI (Berrybush). 8 ft. Zone IV. Our introduction 1936 and attracting favorable comment everywhere. Propagated from the point of view of its wealth of red berries in autumn. Bears young and grows slowly. A dense, full bush. Needles like the Dwarf Yew.

(10) (100)

★ 6- 8 in. X.... 35.00
★ 8-10 in. X.... 40.00

★10-12 in. XX... 12.50 110.00
(Each) (10)

18-24 in. B&B.. 6.50 57.50

SIX NEW MEDIA YEWS

	(5)	(25)
A—2½ in. pot.....	.....	\$ 16.00
B—8-10 in. pot.	\$ 8.00	32.50
C—9-12 in. XX..	10.00	45.00
	(each)	(5)
D—12-15 in. XX.	3.25	13.75

Pyramidalis (The Pyramidal Yew). Fast growing (15 ft.), vertical branches, black-green needles. ABCD

Pilaris Grandiflora (Bigleaf Yew). Nearly similar in shape and growth, but the needles are enormous. The effect is rich and unusual. AB

Robusta (Obelisk Yew). Even faster growth, probably to over 20 ft. Otherwise like Pyramidalis. ABCD

Stricta (Narrowbush Yew). Needles short giving a compact effect. Vertical, dwarf, narrow shape. Probable height 6 to 8 feet. ABCD

Stricta Viridis (Grassgreen Yew). Similar to stricta, except the needles, are bright green all winter. ABCD

Sentinalis (Sentinel Yew). Extraordinarily narrow, but well-clothed with needles. Probably to 15 ft. B

Spreading Yew (next page)



TAXUS (Continued)

baccata (English Yew). 30 ft. Zone IV. Spreading and, in old age, a large shrubby tree.

★ 6 in. X 10 for \$5.50, 100 \$40.00
2 ft. B&B. . \$7.00 each, 5 \$30.00

COMPACTA (Neater Yew). Also tree-form, upright branches, but smaller leaf and only 5 or 6 feet height. Much more useful than *baccata*.

★ 6- 8 in. X
10 for \$5.50, 100 \$40.00
15-18 in. B&B \$6.00, 10 \$50.00

FASTIGIATA (Irish). 20 ft. Zone VI. A full column with great character and ruggedness.

★ 8 in. X 5 for \$4.50, 100 \$70.00
15-18 in. B&B \$6.00, 5 \$25.00

REPANDENS (Creeping). 3 ft. Zone V. Very slow and hugging the ground. Dense nature. Rock-garden.

★ 6 in. X 10 \$5.00, 100 \$40.00
12-15 in. B&B \$4.00, 5 \$19.00

WASHINGTONI (Golden). 8 ft. Zone VI. Surprising yellow leaves on a broad bush.

★ 6 in. X 5 for \$3.00, 100 \$40.00
18-24 in. B&B \$6.50, 5 \$30.00

canadensis stricta (Native Yew). 2 ft. Zone II. Dense ascending, stiff branches make this desirable for low edging.

★ 6 in. X 5 for \$4.00, 100 \$70.00
9 in. B&B \$3.00, 100 \$225.00

Cuspidata capitata (Upright Yew). The natural form. Trees to 40 ft. The best type hedge Yew for all general purposes. Zone IV.

(10)	(100)
★ 4- 6 in. X....	\$ 4.50
★ 8-10 in. X....	6.00
★ 9-12 in. XX....	72.00
★ 12-15 in. XX....	12.50
★ 15-18 in. XX....	15.00
	(Each)
18-24 in. B&B..	6.50
	125.00
	62.50

Cuspidata (Spreading Yew). Commonly offered as "cuspidata". 6 ft. Zone IV. A spreading open bush.

(10)	(100)
★ 6- 8 in. X....	5.25
★ 8-10 in. XX....	7.50
★ 12-15 in. XX....	12.50
	(Each)
15 in. B&B....	\$ 5.00
	400.00

INTERMEDIA (Improved Yew). 10 ft. Like Bush Form, but denser foliage and neater.

(10)	(100)
★ 6- 8 in. X....	5.50
★ 10-12 in. XX....	12.50
	110.00

JEFFREYI (Jeffrey's Pyramidal Yew). Narrow and upright in growth.

★ 8 in. X..... \$6.50 \$55.00

NANA ("BREVIFOLIA") (Dwarf Yew). 4 ft. Zone III. Slow growing, spreading, dense dark foliage. Picturesque. Substitute for Dwarf Boxwood.

(Each)	(10)	(100)
★ 4- 6 in. X....	\$ 4.25	\$35.00
★ 8-10 in. X....	6.50	45.00
9 in. B&B	\$4.00	35.00
12 in. B&B	\$5.00	375.00

NANA FEMINA. A heavy berry-bearing type of the dwarf Yew with good foliage and good growing habit.

★ 8 in. X 5 for \$4.50, 100 \$50.00

THAYERI. Broad, flat, spreading bush, light green.

★ 12 in. X 5 for \$4.50, 100 \$70.00

VERMEULEN (Vermeulen's Yew). 12 ft. Zone IV. New. Compact and dense. Broad base and narrow top. Beautiful pyramid with more red berries than most. Short needles.

(10)	(100)	
★ 4- 6 in. X....	4.25	35.00
★ 8-10 in. X....	6.50	45.00
★ 10-12 in. X....	7.50	55.00
★ 12-15 in. XX....	15.00	125.00
	(Each)	(10)
15-18 in. B&B..	4.00	45.00

PHOTO: Left to right.

Upper: *Capitata*, *Sentinel*, *Pillar*, *Robusta*, *Stricta*.

Lower: *Kelsey*, *Nana*, *Vermeulen*, *Cuspidata*.

Collection Dwarf Yew

Five of the best varieties of Yew for varied foundation or garden planting. All 12 to 15 inch three times transplanted, heavy little trees. Roots packed in damp moss for safe shipment.

Spreading Yew

Vermeulen Yew
Dwarf (nana) Yew

Kelsey Yew
Hick's Yew

2 of each (10 plants) for \$21.00
5 of each (25 plants) for 47.00





PHOTO: *Thuja*—5. *Hoveyi*. 6. *Wareana*. 7. *pyramidalis*. 8. *globosa*. 9. *elegantissima*. 10. *occidentalis*.

THUJA. American Arborvitae prefers the extreme north. It grows in any good soil, even with poor drainage.

occidentalis (American Arborvitae). 30 ft. Zone II. Pyramidal tree with dense, frond-like, evergreen leaves. popular.

- ★ 4- 6 in. S.....50 for \$5.00
- ★ 8-14 in. X.....50 for \$9.25
- ★ 8-16 in. XX.....50 for \$12.50
- ★ 12-18 in. XX.....25 for \$20.00
- ★ 18-24 in. XX.....25 for \$25.00

ELEGANTISSIMA (Golden Tip). 15 ft. Zone II. Bright green in winter, gold in spring.

- ★ 12-15 in. X.....25 for \$15.00
- 2 ft. B&B.....\$4.50, 5 \$20.00

ELLWANGERIANA (Tom Thumb). 4 ft. Zone II. Two kinds of leaves give feathery appearance.

- ★ 6 in. X..25 \$8.00, 100 \$30.00
- 15 in. B&B.....\$3.50, 5 \$15.00

GLOBOSA (Globe). 4 ft. Zone II. Holds its shape without trimming.

- ★ 10 in. X 25 \$10.00, 100 \$40.00
- 15 in. B&B.....\$3.00, 5 \$13.50

TSUGA (Hemlock). One of the most useful of all evergreens. In dry or wet soils, in sun or shade.

canadensis (Northern Hemlock). 60 ft. Zone IV. In forests, a noble patriarch, but readily sheared to hedge or modest specimen sizes. Humus. Stands shade. The most beautiful native evergreen.

	(25)	(100)
★ 6- 8 in. S....	\$ 3.00	\$ 9.00
★ 9-12 in. X....	9.00	33.00
12 in. XX....	16.50	60.00
18-24 in. B&B..	\$5.00, 5	\$20.00

Special prices for Hemlock Hedges will be found on Page 6.

BRADSHAW. Neater, very much denser pyramidal form. Crowded lateral branches overlap. Wide base, tapered to top without pruning.

- ★ 4 in. pots.....\$4.00 each
- 2-2½ ft. B&B.....\$12.00 each

POMPHRET. Neat, semi-dwarf, dark green. Otherwise like ordinary Hemlock.

- 18 in. B&B.....\$4.50 each
- 3 ft. B&B.....\$10.00 each

SARGENTI (Weeping). Dwarf, very spreading form. May become 15 ft. across and 6 ft. high. Drooping, graceful. Good dark green.

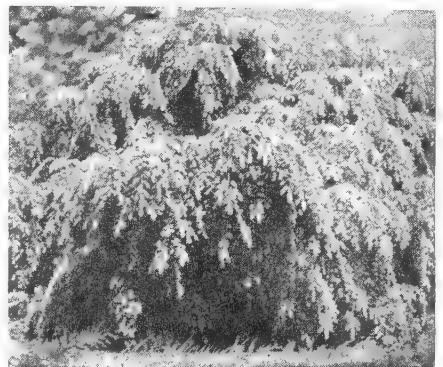
- 2½-in. pots.....25 for \$37.50
- Prices larger sizes on request.

caroliniana (Carolina Hemlock). 50 ft. Zone IV. Damp, acid preferred. Dense. Striking shadows. Drooping.

- ★ 6-12 in. 25 for \$3.00, 100 \$9
- ★ 12-15 in. 25 for \$5.00, 100 \$16
- ★ 12-15 in. B&B
5 for \$6.00, 100 \$95

diversifolia (Japanese Hemlock). 70 ft. Zone V. Graceful, handsome pyramid. Dark, crowded needles.

- 2-2½ ft. B&B..\$8.00, 5 \$35.00



*=young, unformed. X=transplanted.
B&B=ball of earth, shapely. Plants not marked: well shaped.

Sargent Weeping Hemlock



Malus (Crab)

ORNAMENTAL DECIDUOUS

TREES

ON these 8 pages is an alphabetical list of deciduous trees—the better kinds only. Many sorts not listed can be quoted on request. Small, bushy trees are included in this list, though some of them come close to being shrubs (there is no clear dividing line). We try to simplify, e.g., all Maples, even dwarf forms, are here—while all Viburnums, even tree-like kinds, are listed as shrubs.

Since a young tree requires little care, and is much less expense and trouble to plant than a large one, it pays to plan ahead. A special list of bargains for such use is made on Page 10.

FLOWERING TREES

Hardy	FEET	Wide	High	Healthy	x = flower; o = fruit	Early	May	June	Summer	Autumn
III	20	40	.	.	Aesculus rubicunda.....	.	x	.	.	.
IV	30	80	.	.	Catalpa speciosa.....	.	.	x	.	.
IV	12	35	x	.	Cercis (Red B.L.).....	x	.	.	.	.
IV	15	25	x	.	Cornus florida.....	.	x	.	.	o
V	12	20	x	.	Cornus kousa.....	.	.	x	.	.
IV	12	20	x	.	Cornus mas.....	x	.	.	o	.
IV	15	20	x	.	Crataegus (Hawthorn).....	.	x	.	.	o
V	12	30	x	.	Franklinia (gordonia).....	.	.	.	x	x
IV	15	25	.	.	Halesia tetraptera.....	.	x	.	.	.
V	8	20	x	.	Hamamelis mollis.....	x	.	.	.	.
V	15	25	.	.	Koelreuteria.....	.	.	.	x	.
V	20	40	x	.	Laburnum vossi.....	.	.	x	.	.
IV	40	100	x	.	Liriodendron tulipifera.....	.	x	.	.	.
V	12	25	x	.	Magnolia conspicua.....	x	.	.	.	.
V	10	20	x	.	Magnolia soulangeana.....	x	.	.	.	.
V	12	25	.	.	Magnolia lennei.....	.	x	.	.	.
V	10	20	x	.	Magnolia nigra.....	.	x	.	.	.
V	8	8	x	.	Magnolia stellata.....	x	.	.	.	.
IV	15	20	.	.	Malus (Flowering Crabs).....	.	x	x	.	o
IV	12	30	x	.	Oxydendron arboreum.....	.	.	.	x	x
V	20	40	.	.	Prunus Flowering Cherry.....	x	.	.	.	.
IV	30	70	x	.	Robinia pseudacacia.....	.	x	.	.	.
IV	30	60	x	.	Sophora japonica.....	.	.	x	.	.
II	15	40	x	.	Sorbus (Mountain Ash).....	.	.	.	o	.
V	10	20	.	.	Styrax japonica.....	.	x	.	.	.
V	15	20	.	.	Symplocos paniculata.....	.	x	.	.	o
III	40	80	.	.	Tilia (Linden).....	.	x	.	.	.

HELP IN SELECTING

SHADE T R E E S

Poor soil	Wet soil	Smoke	Root-greedy	Faults	Virtues
Quick	Healthy	Showy			

ACER Negundo (Box-elder).....	x	x	x	x	x
A. platanoides (Norway Maple).....	.	.	x	x	.
A. rubrum (Red Maple).....	.	x	.	x	.
A. saccharum (Sugar Maple).....	x	.	.	x	.
BETULA alba (Birch).....	x	.	.	x	.
B. populifolia (Gray B.).....	x	x	.	x	x
B. papyrifera (Canoe Birch).....	x	.	.	x	x
CELTIS (Hackberry).....	x	.	.	.	.
FAGUS (Beech).....	.	.	.	.	x
FRAXINUS (Ash).....	x	x	.	x	.
GINGKO biloba.....	.	x	.	x	x
GYMNOCLADUS (Coffee-tree).....	.	.	.	x	.
PLATANUS (Sycamore).....	x	.	.	.	.
P. acerifolia (Oriental Plane).....	x	x	.	x	.
POPULUS (Poplar—most kinds).....	x	.	x	x	x
QUERCUS palustris (Pin Oak).....	x	.	.	x	.
Q. coccinea (Scarlet Oak).....	x	.	.	.	.
Q. rubra (Red Oak).....	x	x	.	.	.
SALIX (Willow—most kinds).....	x	.	x	x	x
TAXODIUM (Bald-cypress).....	x	.	.	x	x
TILIA (Linden—most kinds).....	.	.	.	x	x
ULMUS campestris (English Elm).....	.	x	x	.	.
U. americana (American Elm).....	x	.	x	.	.
U. pumila (Siberian Elm).....	x	.	x	.	.



Fagus purpurea



Sorbus aucuparia

ACER dasycarpum (Silver Maple). 100 ft. Zone III. Good quick shade. Leaves bright silver below.

★4 ft. 25 for \$4.00, 100 \$15.00
6 ft. 10 for \$15.00, 100 \$80.00

palmatum atropurpureum (Red-Leaved Maple). 10 ft. Wine-red leaves. Bushy, compact. Any sheltered soil. In time, becomes an open tree-like shrub. Zone V.

1½ ft. B&B \$5.00, 5 for \$22.50
4-5 ft. B&B.....\$22.50 each

dissectum purpureum (Cut-leaved Purple). 6 ft. Billowy mound of lacy color. The dwarfest.

3-4 ft. \$9.00, 4-5 ft. \$11.00

pennsylvanicum (Moosewood). 30 ft. Zone III. Striped bark; bold, handsome.

2-3 ft. 10 for \$6.50, 100 \$35.00
4-6 ft. 5 for \$4.75, 100 \$75.00

platanoides (Norway Maple). 60 ft. Zone III. Dense, round-headed. Excellent for city streets. Easily grown. Bad in gardens, because of greedy roots.

★6-8 ft. 25 for \$20.00, 100 \$75.00
6-8 ft.
\$3.25, 10 \$27.50, 100 \$150

ASCENDENS (Columnar Norway Maple). Fine narrow column form.
5-6 ft.....\$5.50, 5 \$25.00

SCHWEDLERI (Schwedler Maple). 60 ft. Leaves—purplish-red, fading to green. Otherwise like Norway.

★5 ft. 5 for \$12.00, 100 \$195.00
6 ft. \$5.00, 8-10 ft. \$6.50

rubrum (Red or Swamp Maple). 80 ft. Zone III. Majestic drooping pyramid. Red flowers in April. Wet land, but tolerant of drainage.

★2 ft. 25 for \$5.00, 100 \$16.00
★4 ft. 10 for \$9.50, 100 \$80.00
★6 ft. 5 for \$7.50, 100 \$110.00
8-10 ft.....\$5.00, 100 \$375.00

saccharum (Sugar Maple). 100 ft. Zone III. Hates smoky cities. Heavy dense, regular pyramid. Autumn color. The most effective country landscape shade tree there is. Bold and dark at a distance.

★2 ft. 25 for \$5.00, 100 \$16.00
★4 ft. 10 for \$9.50, 100 \$80.00
★6 ft. 5 for \$8.00, 100 \$110.00
8-10 ft.....\$5.00, 100 \$375.00

MONUMENTALE. Very narrow upright form of Sugar Maple—a green monument.

2 ft. \$6.50 4 ft. \$12.00
6 ft. \$18.00

*=young, unformed. X=transplanted.
Plants not marked: well shaped.

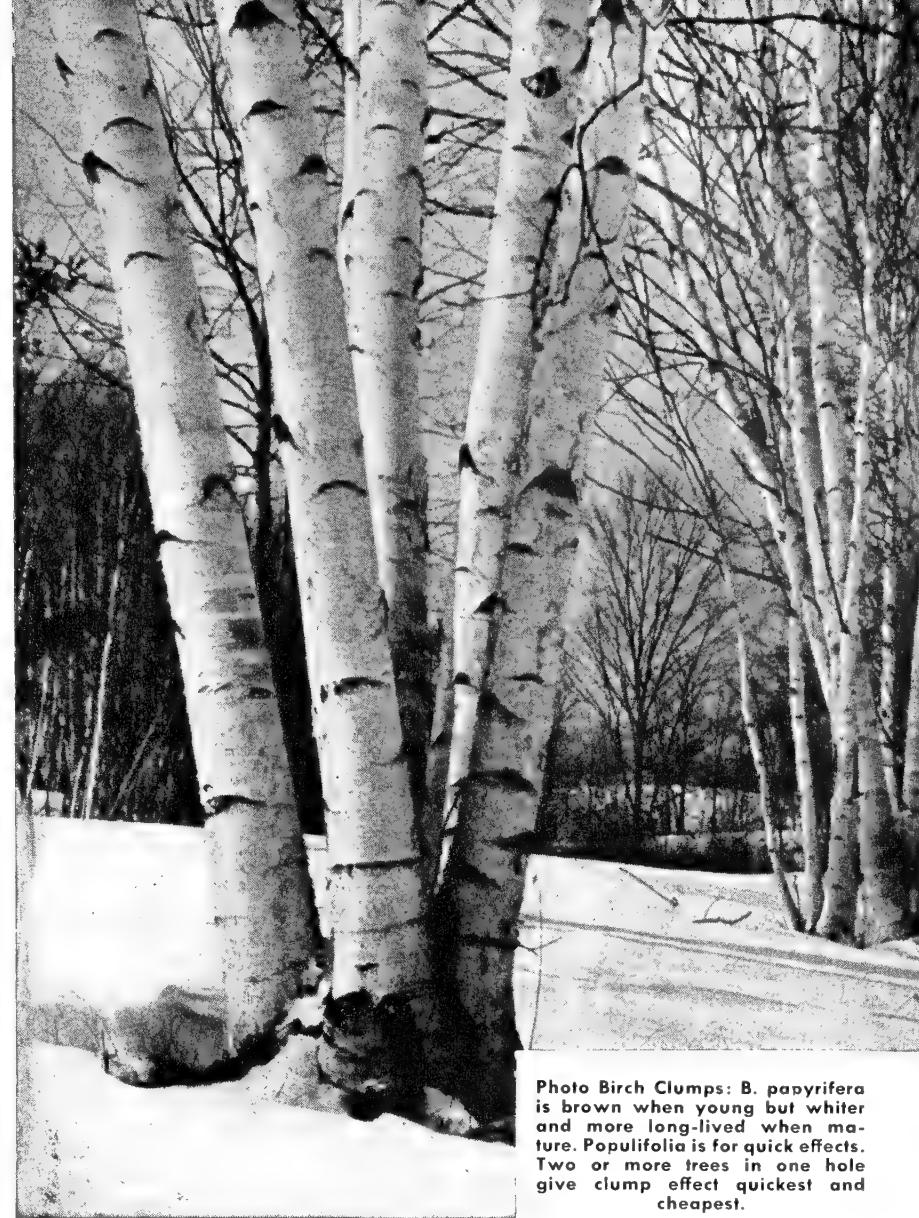


Photo Birch Clumps: *B. papyrifera* is brown when young but whiter and more long-lived when mature. *Populifolia* is for quick effects. Two or more trees in one hole give clump effect quickest and cheapest.

AESCULUS hippocastanum (Flowering Horsechestnut). 60 ft. tree. Zone III. Stately pyramid. White flowers in late May. Deep damp soil.

6-8 ft.....\$6.00, 5 for \$25.00

rubicunda (Carnea). (Red flowering). Slightly smaller, flowers pink.

5-6 ft.....\$1.50, 5 for \$60.00

BETULA alba (European White Birch). 40 ft. Zone II. Good white bark. Spreading. Very tolerant tree.

5 ft. 5 for \$11.50, 100 \$195.00
6-8 ft.....\$3.50, 10 \$30.00

LACINIATA (Cutleaf Weeping). Like above, but drooping branches and lacy, drooping leaves. The effect is superb on a lawn. Only fault: Hard to move large trees.

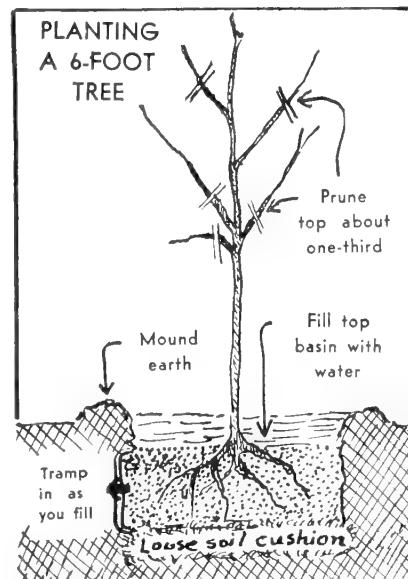
5 ft. 5 for \$17.00, 100 \$195.00
6-8 ft.....\$5.25, 10 \$45.00

papyrifera (Canoe or Paper Birch). 80 ft. Zone II. Whitest bark of all, but yellowish when young. Handsome, long-lived, tolerant.

★2 ft. 25 for \$6.00, 100 \$18.00
★4 ft. 10 for \$10.00, 100 \$85.00
6-8 ft.....\$3.00, 10 \$15.00

populifolia (Gray Birch). 30 ft. Zone IV. The common clump of "white" birch in woods. Poor soil. Short-lived.

★2 ft. 25 for \$5.00, 100 \$16.00
★4 ft. 10 for \$9.50, 100 \$80.00
6-8 ft.....\$2.75, 10 \$12.50





CARYA laciniosa (Shellbark Hickory). 100 ft. Zone V. Wet, rich soil.
 ★12-18 in. 25 for \$7, 100 \$25
 ★3-4 ft. 10 for \$26, 100 \$200
 ★4-5 ft. 5 for \$18, 100 \$300

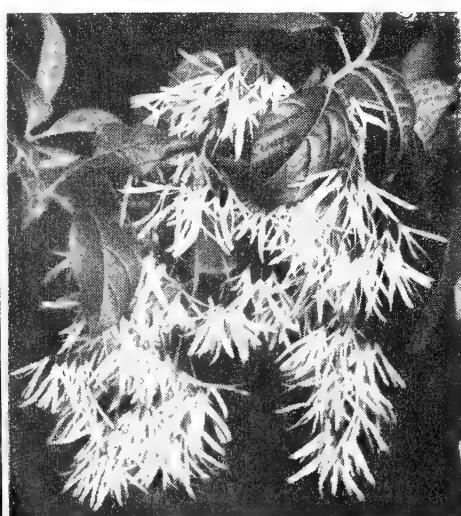
ovata (Shagbark Hickory). 80 ft. Zone IV. Light, drained soil.
 ★12 in....25 for \$7, 100 \$25
 ★3-4 ft. 10 for \$26, 100 \$200
 ★4-5 ft. 5 for \$18, 100 \$300

CARPINUS caroliniana (Blue Beech). 30 ft. Zone II. Handsome, bushy. Scarlet in autumn.

4 ft.....5 for \$6, 100 \$80

CASTANEA mollissima (Chinese Chestnut). See description, Page 49.
 ★12 in....25 for \$12, 100 \$42

Photo: Chionanthus



CATALPA speciosa (Western Catalpa). 80 ft. Zone IV. Handsome pyramid. Spotted white in June. Showy. Timber durable in water.
 ★2 ft.....10 for \$3, 100 \$18
 5 ft.....10 for \$11, 100 \$85

CELTIS occidentalis. 100 ft. Zone II. Good straight timber, handsome. Moist. Stands city.

18 in....30 for \$3, 100 \$8.50
 5 ft....\$3.50 each, 10 \$17.50

CERCIS canadensis (Red Bud). 20 ft. Zone IV. Rosy pink buds cover bare branches in April. Humus. Beautiful. Part shade.

★12 in....25 for \$3.00, 100 \$8
 ★2-3 ft....25 for \$4.50, 100 \$15
 3 ft. \$2.00, 4 ft. \$3.50, 5 ft. \$5.00

CHIONANTHUS virginica (White Fringe). 25 ft. Zone IV. Fragrant white tassels in May. A slow tree, but worth waiting for. Good drainage.

3 ft. \$2.25, 4 ft. \$3.00, 6 ft. \$5.00

CLADRASTIS lutea (Yellowwood). 50 ft. Zone III. Fragrant, white in June. Stands drought. Deep roots.

2 ft. \$3.75, 5 ft. \$6.50, 6 ft. \$8.00

*=young, unformed. X=transplanted.
 B&B=ball of earth, shapely. Plants not marked: well-shaped.



Crataegus splendens

Photo left: **Cornus florida rubra**

DOGWOODS

America's finest native flowering tree—in fact no part of the world can boast a better.

CORNUS florida (Flowering Dogwood). 25 ft. Zone IV. Very showy white in May, large red berries October on. Acid, humus. No more sensational sight than a group in bloom.

12 in....25 for \$5.00, 100 \$15
 18 in....10 for \$4.00, 100 \$20
 4 ft....5 for \$7.50, 100 \$115
 6 ft....5 for \$10.00, 100 \$175
 8 ft....\$5.00 each, 10 \$45.00

PENDULA. Weeping form. (White.)
 4-5 ft. \$9.50 each, 10 for \$80.00
 3 to 4 ft. \$7.00, 5 to 6 ft. \$12.00

PLENA (Double Dogwood). Rare form with showy double white bloom. Finer than the single.

7 to 8 ft. \$10.00 each, 10 \$95.00

RUBRA (Pink Flowering). Pink flowers. No real red is known, but the clear pink is a beautiful tone. Plant in with white for best effect.

★2 ft....5 for \$17.50, 100 \$300
 3-4 ft. \$9.50 each, 10 \$85.00
 5-6 ft. \$11.50 each, 10 \$100.00

XANTHOCARPA. Exactly like the type, but berries are yellow and birds don't remove them so rapidly.

3-4 ft. \$7.00 each, 10 \$60.00
 5-6 ft. \$10.00 each, 10 \$85.00

CRATAEGUS coccinea (Thicket Hawthorne). 10 ft. Zone III. White in May. Berries dull red. Relished by birds.

★18 in. .25 for \$5.00, 100 \$16.00
5 ft.\$6.00, 10 for \$55.00

cordata (Washington Thorn). 20 ft. Zone IV. Round head, bushy. Red fruit all winter. Good fall color.

★18 in. X. 10 \$7.50, 100 \$60.00
4 ft. \$5.50, 5 ft. \$6.50 each

crusgalli (Cockspur Thorn). 20 ft. Zone IV. Fine hedge. Red berries all winter. Very thorny. Drain.

4 ft. . \$5.00 each, 10 for \$45.00

oxyacantha (May Tree; English Haw). 20 ft. Zone IV. Showy white flower in May, fragrant. Red autumn fruit. An excellent hedge plant.

3 to 4 ft. \$4.00, 5 to 6 ft. \$5.50

SPLENDENS (Paul Scarlet Hawthorn). Form with showy red flowers. Red berries. Prefers sun, lime, and heavy soil—even clay. In light soils, manure.

4 to 5 ft. \$6.50, 5 for \$27.50

FAGUS americana (American Beech). 80 ft. Zone III. Lime, drainage. Gray bark, majestic drooping form. Slow.

★18 in. S 25 for \$3.00, 100 \$8.00
6 to 8 ft.. \$3.00, 10 for \$20.00

sylvatica (European Beech). 80 ft. Zone IV. Smaller, darker leaves. Lime, drain. Very slow. Dense shade.

3 to 4 ft. \$7.50, 5 to 6 ft. \$12.00

FASTIGIATA (Column). Narrow, upright branches. Grows 30 ft. high; 6 ft. wide.

4 to 5 ft... \$7.00, 10 for \$60.00
5 to 6 ft... 9.00, 10 for 80.00

HETEROPHYLLA (Fernleaf). Broad, very dense tree, narrow lance-like leaves, 40 ft.

3-4 ft. \$12.50, 8-10 ft. \$17.50

PENDULA (Weeping). A 50 ft. mound of green leaf and gray branchlet. Unique and striking. Picturesque.

6 ft. \$20.00, 8 ft. \$30.00

RIVERSI (Purple). Reddish-purple leaves. Handsome, bushy tree.

2 ft. \$8.00, 3 ft. \$10.00, 4 ft.
\$12.50

FRAXINUS americana (White Ash). 100 ft. Zone III. Handsome, vigorous. Autumn color. Damp or dry.

★2 ft. . . . 10 for \$2.50, 100 \$6.00
6 ft. \$3.50, 10 for \$20.00

lanceolata (Green Ash). 60 ft. Zone II. Useful tree. Prefers heavy damp soil, but tolerant.

Same sizes and prices as above.

GINKGO biloba (Maidenhair Tree). 100 ft. Zone IV. Slow, but tolerant of any condition—including smoke.

★12 in. .25 for \$9.00, 100 \$32.50
★ 3-4 ft. . 10 \$10.00, 100 \$90.00
6-8 ft. . . . \$5.00, 10 for \$42.50

FASTIGIATA. Columnar form.

3-4 ft. \$5.50 each

GLEBITSIA triacanthos (Honey-Locust). 100 ft. Zone IV. Rich soil, sun. Good timber and good stock feed.

★3 ft. . . . 30 for \$3.50, 100 \$9.50
6-8 ft. \$3.75, 10 \$30.00

HALESIA tetrapeta (Great Silverbell). 25 ft. Zone IV. Profusion of white bells nod in May. Acid, humus.

4 ft. \$2.75, 5 ft. \$3.75, 8 ft. \$6.50

FRANKLINIA Alatamaha

("Gordonia")

Ben Franklin's Tree

35 ft. Zone V. Large white and yellow blooms fragrant from August to frost. Damp, acid, heavy, humus, blooms best in sun. Blooming starts on small plants. An extraordinary native. Leaves bright red in autumn—often while white flowers still open. The only flowering tree that blooms in late fall. Unlike most trees, small sizes need more "nursing" than larger sizes.

8 to 12 in. S....50 for \$22.50

(Each) (10)

18 to 24 in. ....	....	\$25.00
2 to 3 ft. ....	....	30.00
3 to 4 ft.	\$4.50	40.00
4 to 5 ft.	5.50	50.00
5 to 6 ft.	6.50	60.00
6 to 7 ft.	9.00	85.00



JUGLANS nigra (Black Walnut). (See also Page 12). 120 ft. Zone IV. Rich, moist. Majestic, with good timber, handsome leaf and delicious nuts. The following are seedlings.

★2 ft. 25 for \$5.00, 100 \$17.50
★3 ft. 10 for \$8.50, 100 \$45.00
5 ft. 5 for \$11.00, 100 \$180.00
6 to 8 ft. \$4.00 each, 10 \$30.00

cincerea (Butternut). 75 ft. Zone III. Less handsome, but good.

★12 in. 10 for \$4.00, 100 \$25.00
5 ft. 5 for \$17.50, 100 \$275.00
8 ft. \$6.75, 10 \$65.00

sieboldiana. 65 ft. Zone IV. Fine, vigorous tree, bearing tasty nuts, rather like Brazil nuts.

6 to 8 ft. \$4.50, 10 \$40.00

Named kinds. See Page 49 for grafted Walnuts.

KOELREUTERIA paniculata (Golden Rain Tree). 25 ft. Zone V. Sun, lime, dry. Large golden clusters in July. Showy.

★10 in. 25 for \$6.00, 100 \$20.00
2 to 3 ft. \$2.25, 5 \$10.00

LABURNUM vossi (Hybrid Golden Chain). 35 ft. Zone V. Hardier and freer to bloom. A clearer yellow color. Lime. Bright green stems in winter.

5 to 6 ft. \$4.25, 5 for \$20.00

LARIX europaea (European Larch). 60 ft. Zone II. Sandy soil. Light green pyramid.

★12 in. 25 for \$6.00, 100 \$20.00

LIQUIDAMBAR styraciflua (Sweet Gum). 90 ft. Zone IV. Leaf like maple and turns ablaze in autumn. Damp, heavy soil.

★2-3 ft. 25 for \$5.00, 100 \$15.00
8-10 ft. \$8.75, 5 for \$40.00

LIRIODENDRON tulipifera (Tulip Tree). 150 ft. Zone IV. Majestic giant, with yellowish tulips in June. Humus.

★18 in. 25 for \$3.00, 100 \$6.00
★ 3 ft. 10 for \$3.00, 100 \$12.00
4 ft. 5 for \$7.00, 100 \$110.00
6-8 ft. \$3.00, 10 \$22.50

Photo: Laburnum Vossi

MAGNOLIA acuminata (Cucumber Tree). 80 ft. Zone IV. Handsome pyramid, fragrant yellowish flower, May; handsome red fruit, September. Humus, manure.

18 in. 5 for \$3.50, 100 \$40.00
3 ft. B&B \$6.00, 5 ft. B&B \$9.50

glauca (Swamp Laurel). 16 ft. Zone V. Prefers moist, but tolerant. Semi-evergreen. White blooms scattered from June to August. Very fragrant.

★12 in. 5 for \$4.00, 100 \$60.00
18 to 24 in. \$2.50, 5 \$11.00

soulangeana (Saucer Magnolia). 20 ft. Zone V. Late April show of large, pink blooms, white inside. A hybrid species, including small handsome varieties. Drain well.

★6-8 in., 2½ in. pots. .25 for \$25
2-2½ ft. B&B heavy. . \$5.75 each

LENNEI. May 1st, red outside.

★3-in. pots. 10 for \$25.00
3-4 ft. B&B heavy. \$9.00 each

SPECIOSA. Smaller tree, white flowers.

2-3 ft. B&B. \$5.75 each

stellata (Star Magnolia). 12 ft. Shrubby. Zone V. Early April sees ribbony, white, fragrant blooms.

18-24 in. B&B. \$6.00 each
2-2½ ft. B&B. \$8.50 each

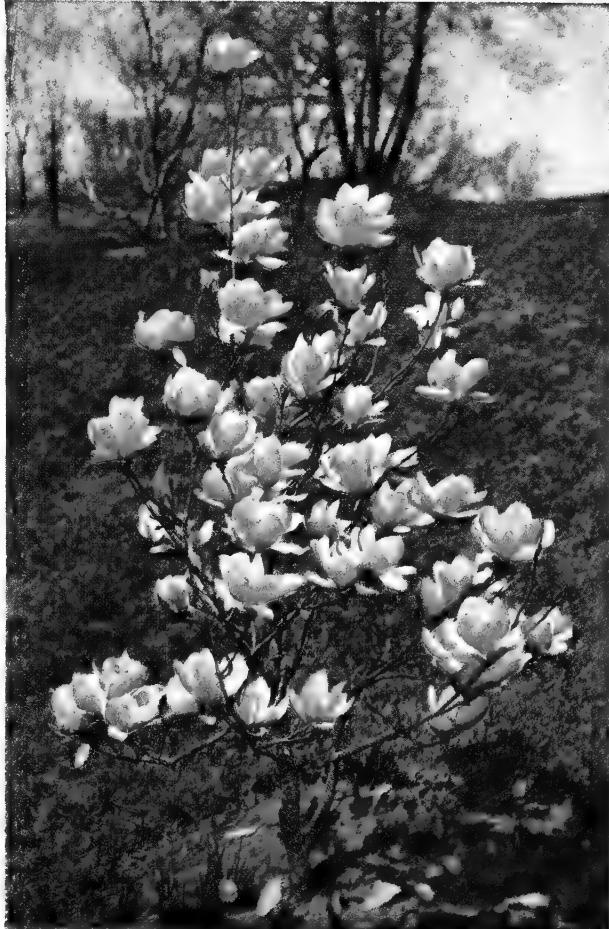
WATERLILY. New, hardier pink-tipped form. Each branch tip has double blooms in late April. Bushy growth. Utterly beautiful.

2-3 ft. B&B. \$10.00 each

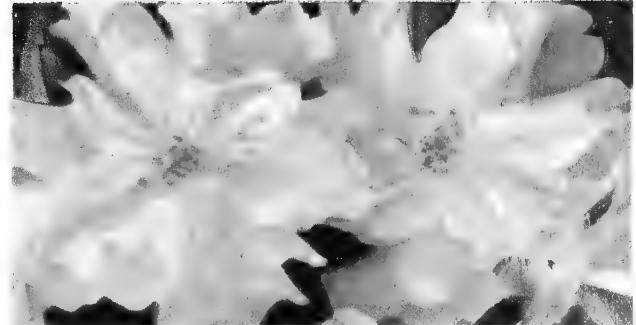
* = young, unformed. X = transplanted.
B&B = ball of earth, shapely. Plants not marked: well-shaped.



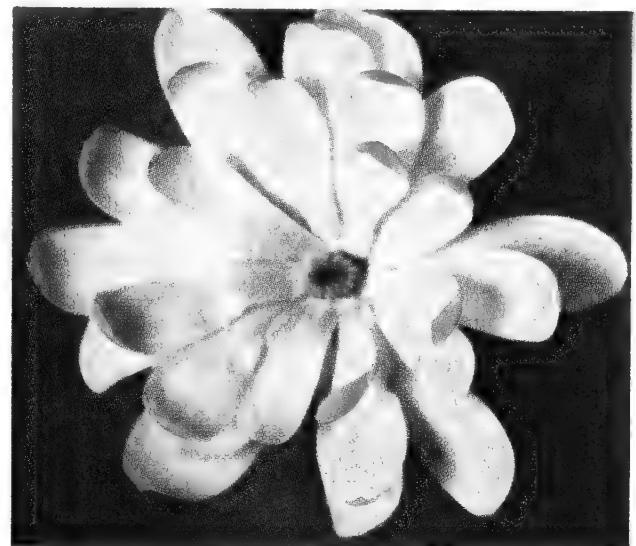
Flowering Crab Malus



Magnolia lennei



Flowering Cherry (next page)



Magnolia Waterlily

MALUS—Flowering Crabs

Vigorous, hardy, and breathtaking. These small trees in season are masses of bloom. Good jelly-fruit. Deduct 20% if you order 5 of one kind.

atrosanguinea (Carmine Crab). 15 ft. Zone V. Red.

2 ft. \$1.75, 5 ft. \$3.75, 6 ft. \$4.75

baccata. 40 ft. Zone II. Profuse.

3 ft. \$1.75, 5 ft. \$3.00, 6 ft. \$4.00

MANDSHURICA. 15 ft. Zone I. Fragrant, large white. Red Crabs.

5 ft. \$3.00, 6 ft. \$4.00

eleyi. 20 ft. Zone IV. Profuse red flowers, red leaves.

4 ft. \$2.50, 6 ft. \$3.00

floribunda. 20 ft. Zone IV. Pink, opening white. Very profuse.

4 ft. \$3.25, 5 ft. \$3.75, 6 ft. \$4.50

halleana parkmannii (Parkman's Crab). 15 ft. Zone IV. Flowers double bud dark rose opening rosy white.

2 ft. \$1.25, 4 ft. \$4.00, 5 ft. \$4.75

hopa. 15 ft. Zone IV. Pink bloom, red crabs, remarkable tree.

2 ft. \$1.50, 4 ft. \$3.00, 5 ft. \$3.50

ioensis plena (Bechtel). B. 15 ft. Zone II. June. Fragrant pink.

3 ft. \$2.50, 4 ft. \$3.35, 6 ft. \$6.00

micromalus (Midget Crab). 9 ft. Zone IV. Neat, upright. Pink.

3 ft. \$1.75, 4 ft. \$3.00

niedzwetzkyana (Redvein). 15 ft. Zone III. Reddish flower, leaf.

4 ft. \$2.50, 5 ft. \$3.00, 8 ft. \$4.00

prunifolia rinki. 18 ft. Zone III. Storm of snow, red-yellow crabs hang late.

6 ft. \$3.50, 10 ft. \$4.50

sargentii. 6 ft. Dwarf. Zone V. Late white. Red berries hang late.

2 ft. \$2.00, 4 ft. \$3.75, 6 ft. \$4.50

theifera (Tea Crab). Vase-shaped growth. 12 ft. Zone V. Pink to white show.

3 ft. \$2.50, 4 ft. \$3.00, 6 ft. \$6.00

Weeping Crab. 15 ft. Drooping branches carry carmine flowers followed by large, tart, red apples.

2 ft. \$1.75, 6 ft. \$3.50, 8 ft. \$4.50

robusta. 20 ft. Zone III. Early, white, fragrant. Red fruit, showy.

5 ft. \$3.00, 6 ft. \$3.75, 8 ft. \$4.50

MORUS alba (Russian Mulberry). 30 ft. Zone IV. Round-topped tree. Fruit, white to purple, edible.

★2 ft...30 for \$4.50, 100 \$12.00
5 ft...5 for \$4.50, 100 \$75.00

NYSSA sylvatica (Tupelo). 60 ft. Zone IV. Interlaced, drooping. Early autumn color. Moist. Hard to transplant.

2 ft. \$6.00, 3 ft. \$7.00, 4 ft. \$9.00

OXYDENDRON arboreum (Sorrel Tree). 30 ft. Zone IV. Peach-leaves turn red in autumn. Long clusters of white in July and August. Acid.

★18-24 in. 5 for \$6.50, 100 \$95.00
2 ft. \$2.50, 4 ft. \$5.00, 6 ft. \$9.00

PHELLODENDRON Amurense (Amur Cork Tree). 4 ft. Zone III. Handsome, tolerant small shade tree.

4 ft. \$2.50, 5 ft. \$3.00, 6 ft. \$3.50

PLATANUS occidentalis (Sycamore). 120 ft. Zone IV. Giant, dignified native shade tree. Tolerant, but prefers moisture.

★2 ft...25 for \$4.50, 100 \$15.00
6-8 ft.....\$3.00, 10 \$18.00

"**Orientalis**" (Acerifolia) (Plane). 90 ft. Zone (V), VI. Good city tree.

★2 ft...25 for \$9.00, 100 \$32.50
6 to 8 ft.....\$3.50, 5 \$15.00

POPULUS bolleana (Bolleana Poplar). 40 ft. Zone III. Narrow column, hardy and disease-free. Better than Lombardy. Green leaf, white beneath.

4 ft. 10 for \$9.50, 100 \$85.00
5-6 ft. 5 for \$7.00, 100 \$125.00
6-8 ft. \$2.75, 10 \$20.00

nigra italica (Lombardy Poplar). 60 ft. Zone II. Quick column. Popular, but prone to disease, so that old specimens are rare. Very tolerant.

★4 ft. 10 for \$4.00, 100 \$17.00
6 ft. \$1.75, 10 \$9.50, 100 \$75.00

tremuloides (Quaking Aspen). 90 ft. Zone I. Perpetually moving leaves. Stately. Gray bark almost like a birch. Pussy buds, April.

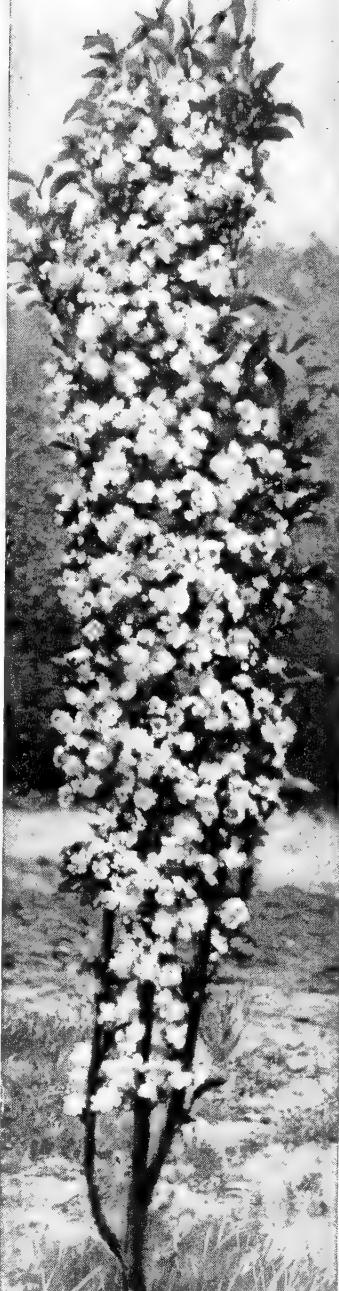
★6-8 ft. 10 \$8.75, 100 \$75.00

carolina (Carolina Poplar). Hardy type. Zone II. Tall, very quick growing tree.

★3 ft. 30 \$4.50, 100 \$15.00
6-8 ft. 10 \$11.00, 100 \$95.00

PTELEA trifoliata (Hoptree). 25 ft. Shrubby tree. Zone IV. Large light-colored fruit, handsome leaf.

3 ft. \$1.15, 4 ft. \$1.65, 6 ft. \$2.50



QUERCUS alba (White Oak). 90 ft. Zone IV. Noble, spreading tree.

★12 in.25 for \$5.00, 100 \$15.00
★ 3 ft.25 for \$12.50, 100 \$45.00
6 ft. \$4.50, 10 \$42.50, 100 \$350.00

coccinea (Scarlet Oak). 75 ft. Zone IV. Round, open heads. Dense, handsome.
★2 ft.25 for \$8.00, 100 \$25.00
6 ft. \$5.25, 10 \$45.00, 100 \$350.00

palustris (Pin Oak). 9 ft. Zone IV. Good in damp or dry soil. A fine street tree. Fast-growing.

★18 in.25 for \$6.00, 100 \$19.00
★ 4 ft. 10 for \$10.00, 100 \$75.00
6 ft. \$4.00, 10 \$37.50, 100 \$300.00

phellos (Willow Oak). 90 ft. Zone V. Willow-like leaves, yellow in fall.

★3 ft.25 for \$15.00, 100 \$50.00
8 ft. \$6.50, 5 \$30.00

robur (English Oak). 80 ft. Zone IV.

FASTIGIATA. Narrow, upright form.
6-8 ft. B&B. \$25.00, 5 for \$95.00

rubra (borealis) (Common Red Oak). 60 ft. Zone IV. Rapid growth. Heavy branches. Likes clay. Handsome.

★18 in.25 for \$6.00, 100 \$19.00
★ 4 ft. 10 for \$10.00, 100 \$75.00
6-8 ft. \$4.00, 10 \$37.50

velutina (Black Oak). 100 ft. Zone IV. Quick growth. Shiny leaf, red in fall.

6-8 ft. \$5.00, 5 for \$20.00

Photo: Japanese Cherry Amanogawa

PRUNUS—Flowering Fruits

These are flowering kinds—fruiting sorts on Page 46.

americana (Native Plum). 40 ft. Zone III. White flowers. Bird food.
4-5 ft. \$1.75, 6-8 ft. \$2.75

maritima (Beach Plum). Page 51.

padus (Bird Cherry). 50 ft. Zone III. Long white clusters in May. Black fruit for birds.

5-6 ft. \$2.75, 6-8 ft. \$4.25

pissardi (Purple-leaf). 15 ft. form with pink flowers in May. Strong pink-purple foliage, dulls in summer. A fine small lawn tree.

2-3 ft. \$1.50, 4-5 ft. \$2.25

tomentosa (Nanking Cherry). 10 ft. Zone II. Free show of white in April; really handsome red fruit in July.

2-3 ft. \$1.50, 3-4 ft. \$1.75

Japanese Cherries

AMANOGAWA. 20 ft. Zone V. Erect narrow column, blush-pink in late May.

4-5 ft. \$4.50, 8-10 ft. \$12.00

FUGENZO (VEITCH). 20 ft. Large double pink, late. Spreading.

4-5 ft. \$4.50, 10-12 ft. \$18.00

KWANZAN (Sekiyama). Easily the darkest pink—almost old rose. Fully double, large flowers. Zone V.

4-5 ft. \$4.50, 6-7 ft. \$6.50

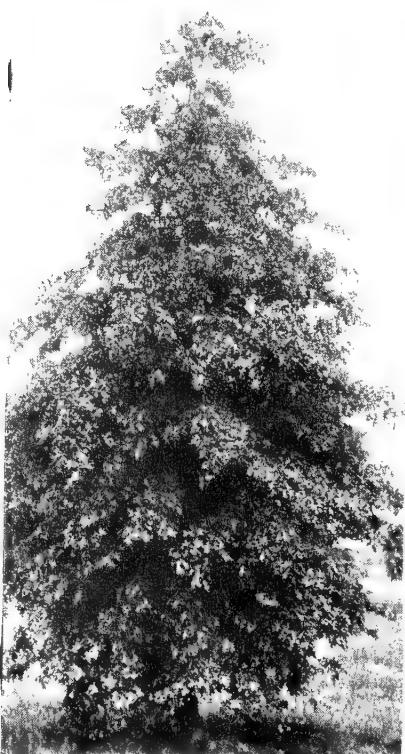
TAKASAGO (Sieboldi). 25 ft. Zone V. Showy, early, pink.

4-5 ft. \$4.50, 5 \$20.00

YOSHINO (Yedoensis). 50 ft. Zone V. Vigorous species, this kind banks the Tidal Basin at Washington. Pink, fragrant, in May.

6-8 ft. \$6.50, 5 \$30.00

8-10 ft. \$12.00 each



Quercus palustris

ROBINIA pseudacacia (Black Locust). 70 ft. Zone IV. Dry, sandy soil. The drought tree! Showy, fragrant white flowers in June.

★2-3 ft. 25 for \$2.50, 100 \$7.50
★5 ft. . . . 5 for \$4.25, 100 \$40.00
6 ft. \$2.50, 10 \$17.50, 100 \$150

hispida (Moss Locust). 9 ft. Zone III. Very tolerant, needs pruning, but fine peaflowers, May.

3 to 4 ft. \$1.50, 4 to 5 ft. \$2.00



Salix Babylonica

SALIX alba (Vitellina aurea) (Russian Golden Willow). 40 ft. Zone II. Branches are bright startling yellow. Damp soil.

★3 ft. . . 25 for \$5.00, 100 \$15.00
5-6 ft. 5 for \$7.00, 100 \$120.00
6-8 ft. \$3.50, 10 \$20.00

babylonica (Babylon Weeping). 30 ft. Zone V. Familiar green fountain. Near, but not in water. Not very good in old age, but fine for say, 25 years.

★2 ft. . . 25 for \$5.00, 100 \$17.00
★4 ft. . . 10 for \$9.50, 100 \$75.00
5 ft. . . . 5 for \$7.00, 100 \$120.00
6-8 ft. \$3.50, 10 \$22.00

blanda (Wisconsin Weeping). More vigorous hybrid of Babylonica. Spreading head, weeping. Zone IV.
★4 ft. . . 10 for \$9.50, 100 \$75.00
★5 ft. . . 5 for \$7.00, 100 \$120.00
6-8 ft. \$3.50, 10 \$22.00

discolor (Pussy-willow). 25 ft. Zone II. Fine for cutting.

3-4 ft. \$.95, 5 \$4.00

nana purpurea (Arctic Willow). Blue leaved dwarf to Zone I. Grows anywhere, even damp clay. Not over 2 ft., bushy, nice foliage. Excellent for low edging in climates or soils where other dwarf hedge plants will not grow.

18 in. . . 5 for \$4.25, 100 \$50.00

niobe (Golden Weeping). 40 ft. Zone II. Drooping yellow branches.

★2 ft. . . 25 for \$6.00, 100 \$20.00
5-6 ft. 5 for \$7.00, 100 \$120.00
6-8 ft. \$3.50, 10 \$22.00

pentandra (Laurel-leaf Willow). 60 ft. Zone IV. Handsome tree, shiny dark leaves. Showy catkins April.

5-6 ft. 5 for \$7.00, 100 \$120.00
6-8 ft. \$3.00, 10 \$27.50



Stewartia

TILIA americana (Basswood). 80 ft. Zone II. Rich soil, not good in city air. Fragrant white, June.

★2 ft. . . 10 for \$3.50, 100 \$18.00
5 ft. . . . 5 for \$9.00, 100 \$170.00
6-8 ft. \$3.25, 5 \$15.00

cordata (Littleleaf Linden). 90 ft. Zone III. Dense-headed street tree. Tolerant. Blooms in July.

6-8 ft. \$4.00, 10 \$35.00

vulgaris (Common European Linden). 80 ft. Zone III. Street tree, the best flowers of any. June and July.

6-8 ft. \$4.00, 10 \$35.00

ULMUS americana (American Elm). 100 ft. Zone II. Most beautiful native tree. Tolerant, even of flooded land. Subject to blight near New York.

★3 ft. . . 30 for \$4.50, 100 \$10.00
6 ft. \$2.00, 10 \$15.00, 100 \$125

URNI (Vase shaped form).

6 to 8 ft. \$3.75, 8 to 10 ft. \$4.25

campestris (procera) (English Elm). 120 ft. Zone IV. Tall straight tree with good head. Recommended as one of the best possible shade trees for city streets.

6-8 ft. \$3.50, 5 \$15.00
8-10 ft. \$5.00, 5 \$22.50

pumila (Siberian or Chinese Elm). 45 ft. Zone IV. Neat, small, bushy tree. Very tolerant of dry land. Perhaps the fastest growth of any permanently desirable tree. Makes an excellent sheared hedge.

★3-4 ft. 30 for \$4.50, 100 \$12.00
★4 ft. . . 10 for \$7.00, 100 \$45.00
8 ft. \$3.50, 10 \$20.00

* = young, unformed. X = transplanted. B&B = ball of earth, shapely. Plants not marked: well shaped.

BROADLEAVED

Evergreen Shrubs

ON the following pages are arranged alphabetically the really choice, showy kinds. No plants in gardens are easier to care for, once planted on suitable sites. There is, indeed, little one can do to improve some—even were labor and expense limitless—marked * in table below.

Their very name tells the treatment: Broad evergreen leaves transpire water constantly, so extra moisture is needed when planting and all year. Mulching helps conserve soil moisture. All easy to grow—Acid-soil kinds, however, **must** have acid soil noted by "A" in table below.

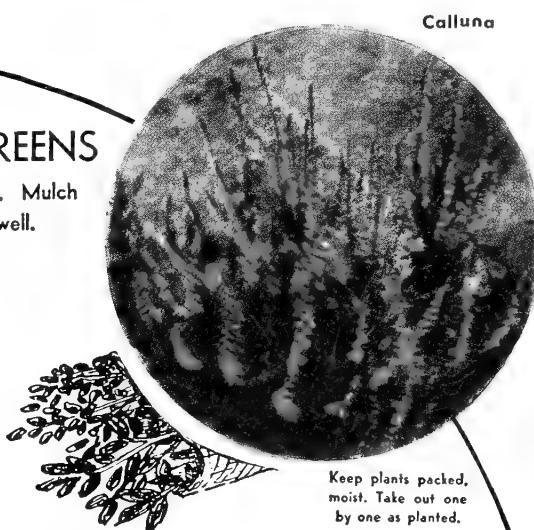


Abelia grandiflora

PLANTING BROADLEAF EVERGREENS

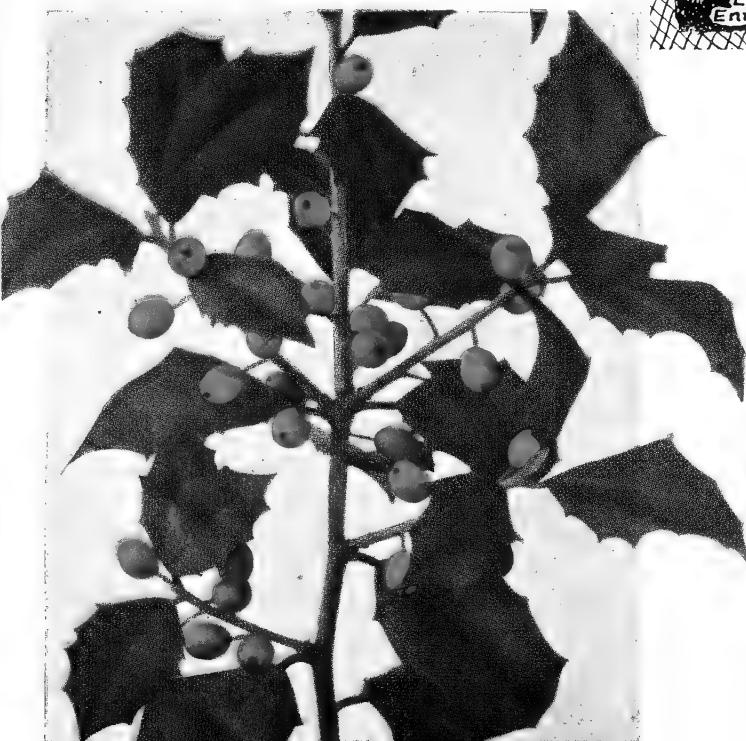
No fertilizer—little or no pruning. Mulch with leaves after planting. Water well.

WITH BALL



Keep plants packed, moist. Take out one by one as planted.

WITHOUT BALL Smaller sizes



(Left) *Ilex opaca*
(Below) *Laurocerasus*

SHOWY EVERGREENS

SPRING SHOW

- **Azalea kurumes*. A
- **Azalea Gables*. A
- **Azalea ledifolia*. A
- **Daphne cneorum*
- **Erica carnea*. A
- **Leucothoe catesbeiae*. A
- Mahonia aquifolium*
- **Pieris floribunda*. A
- **Pieris japonica*. A
- **Rhododendron carolina*. A
- **Vinca minor*

SUMMER SHOW

- **Abelia grandiflora*
- **Azalea macrantha*. A
- **Berberis verruculosa*
- **Calluna vulgaris*. A
- **Kalmia latifolia*. A
- **Magnolia glauca*
- **Rhododendron catawba*. A
- Rhododendron Hybrids*. A
- **Rhododendron maximum*. A

AUTUMN SHOW

- **Abelia grandiflora*
- **Cotoneaster horizontalis*
- **Cotoneaster salicifolia*
- **Ilex opaca*. A
- **Pyracantha laalandi*

SHOWY LEAF

- **Berberis julianae*
- Buxus (Boxwoods)*
- **Ilex crenata*
- **Laurocerasus schipka*
- **Pachysandra terminalis*

ABELIA. Easily grown, tolerant evergreen shrubs.

Edward Goucher. New (Pink Abelia). 5 ft. Zone VI. More evergreen than above. Flowers twice as large and strong, clear pink, June to October. ★2-in. pots 10 \$4.50, 100 \$35.00

Grandiflora (Glossy Abelia). 5 ft. Zone V, evergreen to Zone VI. Almost perfect shrub. Small bright leaves, graceful growth. Any soil. Sun. Pinky-white bells from June to October. Leaves bronze in winter.

12-15 in. (pots) 5 \$7.00, 100 \$110.00
18 in. B&B \$3.50, 2 ft. B&B \$4.00



Azalea Hinamayo

HARDY AZALEAS

Gayest and brightest of all flowering plants. Grow best in sun or light shade. Acid, loose, rich. Many rare and delightful kinds offered here:

amoena. Almost a species. Type is rosy purple. Hardy. Zone V.

★1-yr. XX 5 for \$2.50, 100 \$35.00
★2-yr. XX 5 for \$3.25, 100 \$50.00
12 in. B&B....\$4.00, 10 \$33.00

Coccinea. Brings the hardy Amoena strain into the fiery reds.

★1-yr. XX 5 for \$2.50, 100 \$35.00
★2-yr. XX 10 for \$6.50, 100 \$50

Arnoldiana (Amoena x Kaempferi). 6 ft. Bushy. Sun, acid, humus, loose. May. Zone V. A new hybrid race. Very dense and bushy shrubs.

CARDINALIS. Cardinal red.

EARLY DAWN. Soft radiant pink.
MELLO - GLO. Cerise, washed gold.

MOSSIEANA. Rich orchid. Vigorous.

Each above named kind:
★1-yr. XX... 5 \$3.00, 100 \$37.50
12-18 in. B&B . \$4.50, 5 \$20.00

Calendulacea (See Page 4).

Glenn Dale Hybrids. New, many colors. Large blooms.

★2-yr. XX..... 5 for \$4.75

JOYA. Like a large, bright pink *Ledifolia*. Probably Zone VI.

STARDUST. Like a large white Kaempferi. Probably Zone V.

GLAMOUR. Late, large and brilliant rose-red. Zone VI (V)?

Hexe ("Hardy Firefly" Azalea). Zone V. 3 ft. Compact, evergreen. Crimson, May. Showy hybrid.

★2-yr. XX 5 for \$3.75, 100 \$50.00
8-10 in. B&B... \$2.75, 5 \$11.00

Hinocrimson (See A. Kurume).

Kaempferi (Torch Azalea). Zone IV. Orange-pink, May. Bushy 8 ft. shrub.

★6-8 in. X. 10 \$5.00, 100 \$26.00
10 in. B&B
5 for \$12.50, 100 \$225.00

Kaempferi Hybrids. Semi-evergreen. 8 ft. Flowers larger and better color. May. Zone IV.

ATALANTA. Tall. Large purple.
BETTY. Brilliant rosy-pink.

CARMEN. Bushy. Large rose.

CLEOPATRA. Old-rose. Early, strong.

LAKME. Compact. Pink.
MARY. Deep pink.

Each above named kind:
★1-yr. XX... 5 \$2.50, 100 \$35.00
★2-yr. XX... 5 \$3.50, 100 \$50.00
12-18 in. B&B.....\$5.75 each

Kirishima (Damask Rose). Dwarf (6 ft.). Zone VI. Large blooms in May, white with pink center. Very showy and satisfactory. Rare hybrid.

★2-in. pots 10 \$4.00, 100 \$27.50
18 in. B&B.....\$7.00
2-2½ ft. B&B..... 8.50

Kurume (Japanese Evergreen Azaleas). 2 to 4 ft. Acid, humus, various in May. Many tender sorts on request besides hardy ones listed.

AMOENA. See **Amoena**.

FLAME. Madder-red with copper. Outstanding color. Zone VI. Strong upright growth.

★2-yr. XX 5 for \$3.50, 100 \$50.00
10 in. B&B..... \$3.50
12 in. B&B..... 4.50

HINODIGIRI. Brilliant scarlet. Zone VI. Completely covered with flowers so no leaf can be seen.

★1-yr. XX... 5 \$2.50, 100 \$35.00
★2-yr. XX... 5 \$3.50, 100 \$50.00
8 in. B&B.... \$2.75, 10 \$22.50

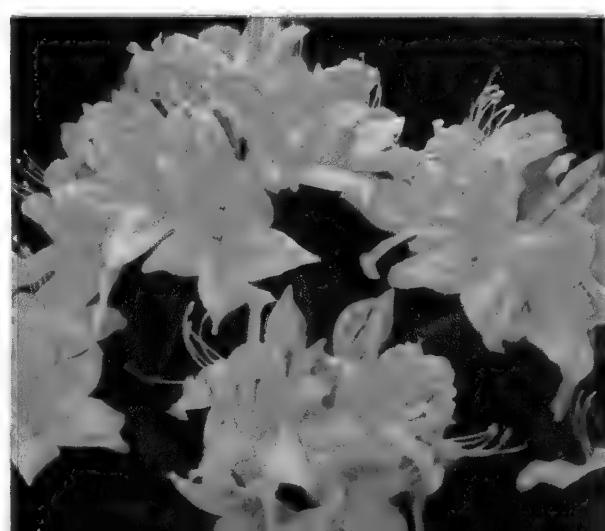
HINO - CRIMSON. Zone (V). Large, showy crimson-red, clean color and does not fade. Slightly hardier and more vigorous than Hinodigiri which it otherwise resembles.

★2½ in. pots
10 for \$6.00, 100 \$40.00
4-6 in. 5 for \$8.00, 100 \$95.00
6-8 in. B&B
5 for \$11.00, 100 \$135.00
8-10 in. B&B
2 for \$7.00, 25 \$60.00
10-12 in. B&B . \$5.00, 5 \$20.00

HINAMAYO. Pink. Zone VI.

★2-in. pots 10 \$3.25, 100 \$27.50
★2-yr. XX 5 for \$3.75, 100 \$50.00
10 in. B&B \$4.00 each, 5 \$18.00

Azaleas: Hinamayo and Mollis



AZALEA (Continued)

Ledifolia (*Mucronatum*). Evergreen. 6 ft. Bushy. Acid, humus, loose. White in late May. Zone (V) VI. Also called "Indica alba."

★2-in. pots 10 \$3.50, 100 \$27.50
★2-yr. XX 5 for \$3.75, 100 \$50.00

ROSEA. Pale rose flowers.

★2-in. pots 10 \$3.50, 100 \$27.50
2-yr. XX... 5 \$3.75, 100 \$50.00
18 in. B&B \$6.00 each, 5 \$27.50

Macrantha (*Indicum*). Evergreen. 3 ft. Dense. Acid, loose. Red in June. Zone V.

J. T. LOVETT. Prolific salmon-red.

FLORA PLENA. Double salmon.

MACRANTHA. Salmon-red.
Each of above kind:

★2-in. pots 10 for \$4.00, 100 \$30
★2-yr. XX 5 for \$3.75, 100 \$50
12 in. B&B..... \$4.50 each
15 in. B&B..... \$5.50 each

Maxwelli. Evergreen. 3 ft. Spreads. Carmine in late May. Zone VI. Striking, hardy, evergreen Azalea.

★1-yr. XX 10 for \$4.50, 100 \$36
★2-yr. XX 5 for \$3.50, 100 \$50.00
12-15 in B&B . \$4.25, 5 \$20.00

Mollis (Chinese Azalea). 2 to 5 ft. Sun, acid, loose. Yellow to red in May. Zone V. Easy to grow. The largest blooms of any, and striking colors. Winter effect somewhat bare.

★4-6 in XX 10 \$6.00, 100 \$40.00
★6-8 in XX 10 \$7.00, 100 \$60.00
12 in. B&B \$4.50 each, 5 \$20.00



Azalea macrantha

Mucronulata (Dahurian Azalea). 6 ft. Zone IV. Purple in April.

★2½-in. pots
25 for \$13.50, 100 \$55.00

Poukhanense (*Yedoense* var.). 4 ft. Acid, humus, loose. Purplish in May. Zone IV. Fragrant.

★2-in. pots 10 \$3.50, 100 \$27.50
10-12 in. B&B . \$3.50, 5 \$12.50

Schlippenbachii (Royal Azalea). 12 ft. Thin shade, acid, humus. Clear pink in May. Fragrant. Zone IV.

★4-8 in. X 10 \$4.50, 100 \$36.00
15. in B&B..... \$4.50 each
2½ ft. B&B..... \$8.50 each

Yodogawa (*Yedoense*). Garden form, large double flowers bright lilac. Semi-evergreen. Zone V.

★2-in. pots 5 for \$2.25, 100 \$27
2-3 ft. B&B . . . \$8.00, 5 \$35.00

BERBERIS Julianae (Wintergreen Barberry). 6 ft. Zone V. Evergreen. Sun or shade. Flowers small, fruit black. Hardiest of thoroughly evergreen Barberries. Good stout bush. Thorny.

★2½-in. pots
25 for \$13.50, 100 \$55.00
24 in. B&B \$6.50, 3 ft. B&B \$7.50

Juliana nana. Neater, dwarf form of above. Excellent.

★8 in. X 5 for \$3.50, 25 \$13.50
18 in. B&B \$5.50 each, 5 \$25.00
24 in. B&B \$6.50 each, 5 \$30.00

BUXUS microphylla Koreana (Korean Box). 1½ ft. Zone IV. Very compact and dense. Any soil. Prefers sun. Neat edge for a garden. Winter leaves light green.

★4-6 in. (pots)
5 for \$3.50, 100 \$35.00
10 in. B&B . . . \$3.25, 10 \$30.00

COMPACTA (Kingsville Box). New, rare, extremely dwarf. Hardy. Zone V, having gone through winters in Pocono Mts. Dwarfest of all Boxwoods, for edgings, etc. After 28 years, only 12 inches high, 21 inches wide.

★2¼-in. pot 5 for \$5.50, 100 \$80
8-10 in. B&B \$4.50, 5 for \$20.00

sempervirens (Bush, Common Box). 10 ft. Zone VI. Quicker growth and more open than its famous variety.

★6 in. X 5 for \$2.50, 100 \$40.00
18-24 in. B&B \$5.00, 10 \$45.00

SUFFRUTICOSA (Dwarf "English"). 6 ft. Zone (V). A billowy dense mass of dark green. This is the box of collectors. Small plants used for real box edging. Any soil. Sun or part shade. Splendid dense, dark effect.

★4-6 in. X 5 for \$2.50, 100 \$35
★6-8 in. X 5 for \$4.00, 100 \$60
18 in. B&B \$ 6.50
2 ft. B&B 19.00

CALLUNA vulgaris (Scotch Heather). 2 ft. Zone IV. Likes drainage, acid, wind. Evergreen. Rosy-purple. July and August.

ALBA (white Heather). Early.

AUREA. Gold leaf; pink flower.

CUPREA. Golden bronze.

SEARLII. Tall, late white.

Each of above four varieties:

★2-in. pots 5 for \$2.00, 100 \$30

* = young, unformed. X = transplanted.
B&B = ball of earth, shapely, well-grown.

Gable's Hybrid Azaleas

These hybrids have been made in the effort to originate a hardier strain of the Japanese type of Azalea in better form and color. Live and bloom at 20° below (Zone IV).

●BOUDOIR. 3 ft. dense, broad. Foliage hid under large blooms, watermelon pink. Semi-evergreen.

CAMEO. Tea-pink, late, double semi-evergreen. Long season.

●CLARET. Early, large, wine-red. Dwarf semi-evergreen. Profuse.

CORSAGE. Dwarf, semi-evergreen; light orchid, showy blooms.

ELIZABETH GABLE. Late, rosy orchid. Best evergreen foliage of all.

FRINGED BEAUTY. 5 ft. Deciduous. Late, dark red, with fringe.

●HERBERT. 4 ft. Shapely, showy magenta-red. Semi-evergreen.

PRICES:

All 12 varieties above, 4 to 10 inch, 3 years old, XX grade. Any 5 assorted for \$8.50. Five of one kind for \$7.50, 50 mixed for \$60.00.

●(Kinds also offered 6 to 10 inch B&B, \$3.50 each.)

COTONEASTER. Culture:
Sun, well-drained. Tolerant.

apiculata (Cranberry Cotoneaster). 5 ft. Zone IV. Pink blooms, June. Large red fruit, October.

12-15 in. B&B \$3.50, 10 \$30.00

horizontalis (Rock Cotoneaster). 3 ft. Zone IV. Flat arching, densely twigged branches, half-evergreen. Pink flowers, scarlet berries.

8-10 in. (pots) \$3.00, 10 for \$40.00

12 in. B&B \$3.50 each

18 in. B&B \$5.00 each

PERPUSILLA (Dwarf). Neater and hardy to Zone V. A better shrub.

4-in. pots \$1.50, 10 \$13.00

microphylla (Rockspray). 3 ft. Zone V. Evergreen. Tiny leaves, dense growth. Scarlet fruit.

12 in. B&B \$3.50 each

18 in. B&B \$5.00 each

COCHLEATA. Prostrate form, showy leaf and berry.

★2-in. pots 5 for \$2.00, 100 \$35

salicifolia (Willowleaf). 8 ft. Zone VI. Evergreen. Tiny leaves, dense bronze winter leaves.

2 ft. B&B \$4.00, 3 ft. B&B \$5.00

1. *Rhododendron maximum*.
2. *R. catawba*.
3. *R. carolina*.
4. *Pieris japonica*.
5. *Leucothoe*, '6 *Kalmia*.
7. *Ilex crenata*.
8. *I. opaca*.



WINTER LEAVES 1/3 Life Size

DAPHNE cneorum (Garland Flowers). 1 ft. Zone IV. Perhaps the finest rockgarden evergreen. Very fragrant rose flowers (large) in May and again in September. Needs sun. Spreads. Our special strain tends to bloom through the summer. Makes a foot-high mat of gray-green, topped with flowers. One of the choicest small shrubs.

	(Each)	(10)
6- 8 in. B&B...	\$2.25	\$20.00
8-12 in. B&B...	2.50	22.50
12-15 in. B&B...	3.50	27.50

EUONYMUS fortunei radicans (Wintercreeper). 20 ft. Vine, self-clinging. Zone V. Evergreen. Dainty clean leaves.

12-15 in. \$1.00, 10 \$9.00

COLORATUS. Rosy-purple leaves.

12-18 in. \$.95, 10 \$8.00

KEWENSIS. Tiny dwarf vine.

2-in. pots 5 for \$2.25, 100 \$33

4-in. pots \$1.00 each, 10 \$8.50

VEGETUS. Large leaves, vigorous bush. A few climbing leaders. Orange fruit.

8-10 in. XX.... 25 for \$8.00

12-15 in. \$1.70, 10 \$14.00

ILEX—the Hollies

For America, English Holly is too tender. Our own native is a fine, handsome evergreen tree — well worth planting.

opaca (American Holly). 40 ft. Zone V. Damp, some shade. Red berries, dull, evergreen leaf. Only females have berries. We offer:

MALES. You need one with your females, for the most berries.

5-6 ft. B&B \$9.00, 5 for \$40.00

FEMALES.

★2½ in. pots.... 25 for \$12.50
5-6 ft. B&B \$10.00, 5 \$42.50

CROONENBURG. Form with larger berries, though no larger clusters. Young plants bear, and so freely they weigh down the bush. Zone VI.

3-in. pots 5 for \$8, 25 for \$35

HOWARD. Zone V. Dark green leaf, shiny, few teeth. Large clusters red berries.

3-in. pots 5 \$4.50, 25 for \$20

crenata (Japanese Holly). 18 ft. Zone VI. Showy only for evergreen leaf and thickset, cross-branched shape. Tolerant. Slow-growing.

★2½ in. (pot) \$4.50, 25 \$16.00
15-18 in. B&B \$3.00, 5 \$12.50

CONVEXA (Box-leaf). 4 ft. Dwarf with shiny round evergreen leaf. This is a gorgeous, gleaming leaf. The shrub might substitute as hardy dwarf box. Zone V.

★ 6 in. X 5 for \$2.75, 100 \$40
12 in. B&B \$3.75 each
18 in. B&B \$6.00 each

HELLERI (Little-leaf Dwarf). Far better than the Microphylla. Dense, useful dwarf. Zone V.

2-in. pots 5 \$2.50, 25 \$8.75

glabra (Ink-berry). 6 ft. Zone III. Evergreen, loose bush. Tolerant even in cities. The leaf is dull; the plant only good for background or massing. When sheared becomes dense, neat, bushy.

★8 in. X 5 for \$3.75, 100 \$16.00
18 in. B&B \$2.75 each
3 ft. B&B \$4.75 each

Photo: *Ilex opaca*

HEDERA helix (English Ivy). 60 ft. Vine. Apt to discolor in winter north of (V) though hardy. Self-clinging. Any soil.

2-in. pots .5 \$1.50, 100 \$19.50

BALTICA (Baltic). Smaller leaf. Fully hardy in Zone V. The best.

2½-in. pots

25 for \$6.00, 100 \$22.00

3-in. pots 5 \$3.25, 100 \$40.00

KALMIA latifolia (Mountain Laurel). 8 ft. Zone III. The best evergreen shrub in the north. Compact, with firm thick leaves. A show of pinky white in June. Acid, humus, damp, loose soil. (See also Page 4.)

★19 in. B&B 5 \$5.50, 100 \$95.00
18 in. B&B \$4, 10 \$30, 100 \$275

LAUROCERASUS schipkaensis. 6 ft. Zone V. Evergreen shrub, with dark green leaves. White in May. Easily grown.

★2½-in. pot 10 for \$9, 100 \$60
12 in. B&B.....\$4.00, 5 \$17.50

LEUCOTHOE catesbaei (Drooping Leucothoe). 4 ft. Zone IV. Evergreen with large leaves, bronzed and purpled in winter. Acid, humus, shade. White, fragrant, May. (See also Page 4.)

12-15 in. B&B

5 for \$5.50, 100 \$95.00

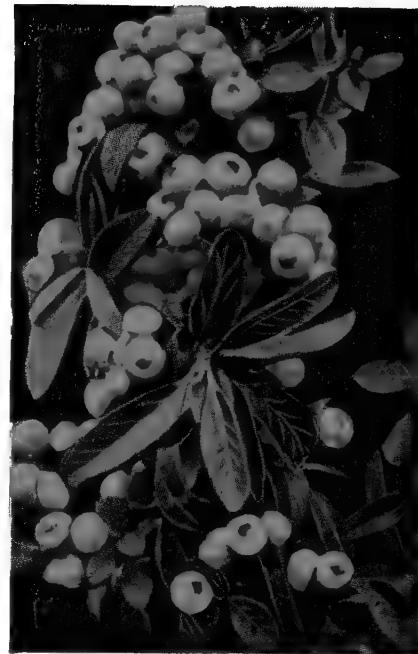
18-24 in. B&B \$4.00, 5 \$15.75

MAHONIA aquifolium (Oregon Holly-grape). 5 ft. Zone V. Holly-like evergreen leaf. Yellow in May, purplish "grape" in August. Dry, part shade.

★3-in. pots 10 \$4.75, 100 \$35.00
12 in. B&B.....\$3.00, 5 \$12.50

OSMANTHUS aquifolium (Holly-leaved Myrtle). Zone VI. 6 ft. Evergreen shrub. Tolerant, useful foliage plant.

18 in. B&B.....\$4.50, 5 \$20.00



Pyracantha Ilandi

Rhododendrons

Evergreen shrubs with fine foliage. Range from dwarfs to giants. Bloom from May to July. Soil: Acid, moist, loose, humus; light shade, do not hoe or rake, but mulch.

CULTURE

Acid, humus, damp, loose

1. The roots feed at the surface—do not hoe or rake. Plant them properly and thereafter water and mulch as needed.

2. Light shade, airy and open, gives best results. Only certain trees will do. The best are Oaks, Cherries, Magnolias and Birch. Their leaves make the best mulch. Avoid Beech and Maple.

NATIVE SPECIES

Carolina. 8 to 10 ft. Showy pink bloom in May. Zone V. See Page 4.

Catawbiense. 8 ft. Compact, rosy purple, June. Zone IV. See Page 4.

Maximum. 12 ft. Blush-white, July. Rapid and bushy with large showy leaves. Suitable for mass effects. Zone III. Shade. See Page 4.

Photo: Named hybrid Rhododendrons.
Caractacus left, Roseum elegans right.



Hybrid Rhododendrons

6 to 10 ft. Various colors, June. Zone VI, but some V.

Hybrid Seedlings. Good colors but mixed. (10) (100)

★ 4- 6 in. XX..... \$ 70.00

★ 6- 8 in. XXX..... 130.00

★12-15 in. XXX.. 30.00 280.00

Named Varieties. (All Zone V.)
These are grafted plants

CATAWBA BOURSault. Fine red-purple.

CATAWBA GRANDIFLORUM. Clear purple.

18-21 in. \$5.75, 21-24 in. \$6.75

EVERESTIANUM. Dwarf rosy lilac.

ROSEUM ELEGANS. Rose-pink.
15-18 in.....\$5.75 each

PACHISTIMA canbyi. Evergreen clump, 9-inch. Zone IV. Wonderful rock plant. Moist.

3-in. pots... \$1.00, 5 for \$4.50

PIERIS floribunda (Mountain Fetterbush.) 3 ft. Zone IV. Evergreen, spreading mound. Upright clusters of wax-white flowers in May. Acid, humus, half shade. Good native dwarf.

★ 4- 6 in 25 for \$15.00
12-15 in. B&B \$4.00, 5 \$18.00
15-18 in. B&B \$5.50, 5 \$25.00
18-24 in. B&B \$7.50, 5 \$33.00

japonica (Japonica Andromeda). 6 ft. Zone V. Evergreen, upright shrub, with drooping wax-white bells, May. New growth is rosy-wine.

★ 4- 6 in 25 for \$15.00
12-15 in. B&B \$3.75, 5 \$15.00
18-24 in. B&B \$6.50, 5 \$30.00

PACHYSANDRA terminalis. Described on Page 8.

Rooted cuttings. 100 for \$9.00
2-year 100 for \$16.00

PYRACANTHA Lalandi (Laland Firethorn). Evergreen shrub to 15 ft. Zone V. A fuzz of white in May, then orange-red berries. Drain, lime.

★ 3-in. pots 10 \$8.00, 25 \$16.00
18-24 in. \$2.25, 2-3 ft. \$3.00

VINCA minor (Myrtle). Prostrate. Zone V. Evergreen ground cover with pretty blue flowers in May.

Strong clumps
25 for \$4.00, 100 \$12.00

ALBA. White flowers.
2-in. pots 10 \$4.00, 100 \$30.00

BOWLE'S. Neater growth, larger, bluer flowers all summer.
2-in. pots 10 \$4.00, 100 \$30.00



Pieris floribunda and japonica



(Left) 1-yr. cutting shown without ball

RHODODENDRON HYBRIDS ON OWN ROOTS (Nearing Method)

Slower start, but more vigor in after life than grafted plants. Hardier, denser, bushier, healthier—hence longer lived.

Units of 9 plants for \$13.50 (any variety in list below) are offered packed f.o.b. New Jersey. Mix varieties as you wish. Plants are one-year cuttings (about 4 inch) grown for our customers by Mr. Warren Baldsiefen.

PHOTO: 1 yr. Rooted Rhododendrons as they arrive.

Own-root Varieties:

ALBUM ELEGANS. Tall white.
ALBUM GRANDIFLORUM. White.
CANDIDISSIMUM. Good white.
CARACTACUS. Compact, crimson. Zone V.
CATAWBA ALBA. Compact, pure white. Zone V.
CATAWBA GRANDIFLORUM. Large purple. Zone V.
IGNATIUS SARGENT. Light red.
KETTLEDRUM. Late deep red.
LEE'S DARK PURPLE. Large.
LEE'S BEST PURPLE. Brighter.
LUCIFERUM. Fine white.
MAXIMUM ROSEUM. Hardy pink.
PARSONS GLORIOSA. Rose-pink.
PURPUREUM GRANDIFLORUM. Extra flower, purple.
ROSEUM ELEGANS. Shapely, rose-pink. Zone V.

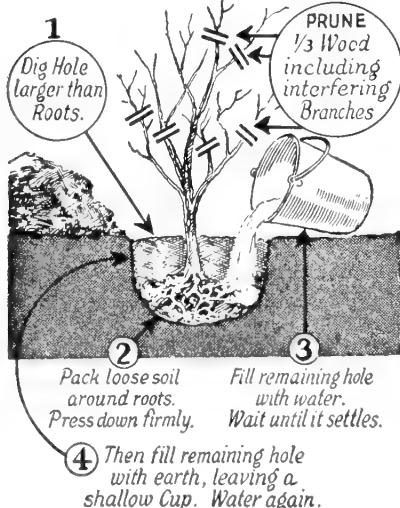
● If we can substitute to nearest color, please say so when ordering. Some kinds are limited.

Shipment will be made in late May or early June. Plants thoroughly hardened, but must be shaded and watered and mulched all first summer. You will note some very rare kinds. For those who wish to take fuller advantage of this opportunity, we offer 50 plants (your selection) for \$70.



DECIDUOUS SHRUBS

PLANTING SHRUBS



Bloom young, usually in second year. But after ten years they need 6 feet of space for best appearance. So plant 3 feet apart and arrange that every second shrub can be removed in later years. (Dwarf shrubs take just half this spacing.) Shrubs grow quickly, so small sizes (see Page 7 for some special offers) are practical for mass effects. Most kinds are in the table below and described and priced in following pages.



PRUNING SHRUBS

Flowers come on old wood, so the rule is to prune when in bloom or just afterward. Thus no potential bloom is lost. Natural shrub shape is to have many main stems in a clump all ascending from the ground, so prune out old branches completely at the ground line thus encouraging plenty of new vigorous shoots. Branches in flower can be taken for house decoration at the time of pruning.

SHRUBS THAT TAKE CARE OF THEMSELVES are marked in the tables below with a “*.” These literally gain no improvement whatever from cultivation—plant ‘em and forget ‘em! Some are very beautiful indeed.



Syringa (Lilac)



Forsythia

FLOWERS ALL YEAR—A

SPRING

- *Amelanchier
- *Benzoin aestivale
- Chaenomeles (Cydonia)
- *Cytisus scoparius
- *Daphne mezereum
- *Forsythia (all kinds)
- *Hamamelis mollis
- Spiraea van Houttei
- Syringa (most lilacs)
- Tamarix africana
- *Viburnum carlesii

EARLY SUMMER

- *Deutzia (all kinds)
- *Enkianthus campanulata
- Exochorda grandiflora
- Kolkwitzia
- *Lonicera (shrub kinds)
- Philadelphus virginalis
- Potentilla fruticosa
- Rhododendron kerroides
- Spiraea trichocarpa
- Syringa josikaea
- *Weigelia (all kinds)



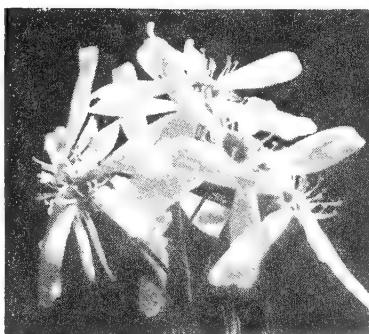
Cydonia

ALBIZZIA julibrissin rosea (Hardy Mimosa). 12 ft. Zone V. Very rare. Interesting pink flower. An unshapely shrub, but delicate Acacia leaves and "bottle-brush" blooms when blooms are scarce in July.

1-yr. S.. 10 \$3.50, 100 \$110.00
5-6 ft.....\$6.00 each

AMELANCHIER Canadensis. 20 ft. Zone IV. Thin, bushy shrub or tree. Gay white show in early May.

★18 in .25 for \$5.00, 100 \$16.00
3 to 4 ft. \$2.00, 5 to 6 ft. \$4.25

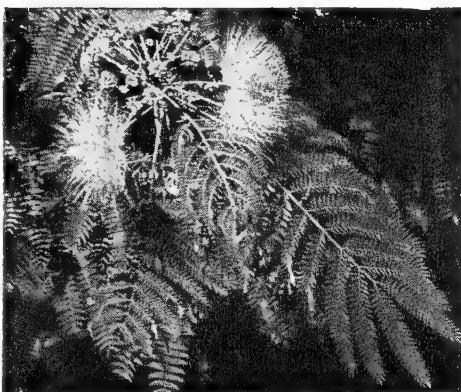


Amelanchier

ARONIA arbutifolia brilliantissima (Showy Red Chokeberry). 8 ft. shrub. Zone V. White in May, brilliant red fruit. Moist.

3 ft.....\$1.25, 10 \$11.00
100 \$90.00

BENZOIN aestivale (Spice Bush). 12 ft. Zone IV. Damp. A mist of pale yellow in April. Red berries. ★12-18 in. 25 \$4.50, 100 \$15.00
3ft.....\$1.35, 10 \$11.00
100 \$95.00



Albizzia

TIME-TABLE OF SHRUBS

LATE SUMMER

**Albizzia julib. rosea*
Buddleia (varieties)
Calycanthus floridus
Cephaelanthus
**Clethra alnifolia*
Hydrangea A. G.
Hypericum prolificum
Spiraea A. Waterer

(fruits)

**Lonicera* (shrub kinds)
Rhamnus frangula

AUTUMN

Hibiscus syriacus
Hydrangea P. G.
Vitex agnus castus

(fruits)

**Berberis thunbergii*
Aronia (all kinds)
Callicarpa purpurea
Photinia villosa
Rhus cotinus
**Symporicarpus*
Viburnum (many kinds)



Weigelia



Philadelphus



Buddleia

BUDDLEIA davidii (Butterfly Bush). Zone V. 6 ft. June-Aug. Drain. FASCINATION. Pink. EMPIRE BLUE. Exquisite shade. ILE DE FRANCE. Claret purple. WHITE CLOUD. Good white. ROYAL RED. Rich dazzling red.

Prices on above 5 varieties:
2-yr. \$.90 each, any 3 for \$2.25

CHAENOMELES japonica (Japanese Quince). 4 ft. Zone IV. Sun. Bushy dwarf. Scarlet flowers in April. A tolerant ornamental shrub. Slow growth. Can be kept pruned.

★12 in....25 \$4.00, 100 \$12.00
2 ft. \$1.15, 10 \$9.50, 100 \$55.00

Named Varieties:

WHITE. Large; white.

ROSEA GRANDIFLORA. Pink.

RUBRA GRANDIFLORA. Early.
Large deep red blooms.

NIVILI. Large, pure white.

CRIMSON GOLD. Crimson, yellow stamens.

Above five named varieties:

1-yr. graft \$1.25, any 5 for \$5.50
3-yr. grafts \$2.25, any 3 for \$6.25

CLETHR A alnifolia (Summer Sweet). 7 ft. Zone III. White fragrant spikes vary from July to August. Acid soil.

★18 in....25 \$5.00, 100 \$16.00
3 ft. \$1.35, 10 \$11.00, 100 \$95

ROSEA. Rare pink flowered form.
18-24 in....\$2.25, 3 ft. \$3.75

*=young, unformed. Plants not marked: specimens, well shaped.

CORNUS mas (Cornelian Cherry). 20 ft. Zone IV. Yellow bloom April. Scarlet berry August. Tolerant.

4 ft. \$2.75, 10 \$25.00, 100 \$195

sanguinea (Bloodtwig Dogwood). 10 ft. Zone IV. Sun, damp, Flower poor. Deep red bark in winter.

3 ft. \$.95, 10 \$8.00, 100 \$70.00

stolonifera lutea (Yellowtwig Dogwood). 8 ft. Zone II. Really bright yellow bark.

3 ft. \$1.10, 10 \$9.50, 100 \$80.00

CYTISUS scoparius (Common Broom). 4 to 8 ft. Zone V. Bushy, upright stems. Yellow, May-June. Drain. Sun. Perhaps the best cover for dry banks. A sight in bloom.

★12-18 in. 25 for \$6, 100 \$22.50

2-3 ft. 5 for \$5.50, 100 \$80.00

3-in. pots. \$1.00, 10 \$9.00

praecox (Warminster Broom). 5 ft. Zone V. Amazing shower of pale yellow in May. Outstanding.

3-in. pots. \$1.30, 10 \$11.00

5-in. pots. \$2.25, 10 \$19.00

DAPHNE mezereum (February Daphne). 3 ft. Upright. Zone IV. In April has lilac-red masses of bloom. Sun, lime. Foliage apt to suffer in hot summers, so give part shade south of Boston.

15-18 in. B&B \$2.25, 5 for \$9.50

ALBA. Exactly like Mezereum but flowers white (much more showy) and fruit yellow. Rare.

2½-3 ft. B&B \$5.75 each

DEUTZIA gracilis. 3 ft. Zone IV. Drain. Dainty mass of white, May.

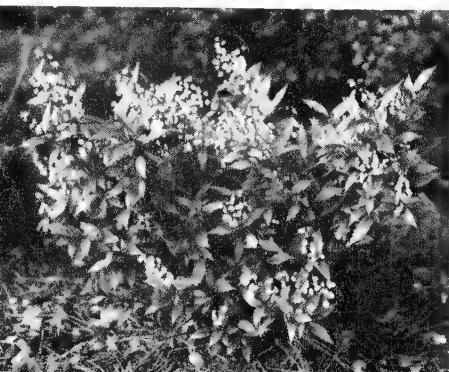
15 in. \$.95, 10 \$7.50, 100 \$60

scabra—Pride of Rochester. Large pinkish white blooms. Vigorous. Zone V. 8 ft.

★18 in. 25 for \$4.00, 100 \$12.00

3-4 ft. \$1.00, 10 \$8.50, 100 \$75

Deutzia gracilis



ELEAGNUS angustifolia (Russian Olive). 20 ft. Zone II. Drought-resistant. Yellow berries in September.

★18 in. 30 for \$4.50, 100 \$12.50

3 ft. \$1.25, 4 ft. \$1.50, 6 ft. \$2.75

ENKIANTHUS campanulatus (Red-vein Enkianthus). 12 ft. Leaves brilliant in fall. White bells in May. Acid, humus. Zone IV.

★4-6 in. 10 for \$4.25, 25 \$8.50

3 ft. \$7.00, 4 ft. \$8.50, 5 ft. \$9.75

EUONYMUS alatus (Winged Euonymus). 8 ft. Zone III. Pink-crimson autumn leaves. Interesting shrub.

3-4 ft. \$2.25, 10 \$18.00

COMPACTA. Dense dwarf form.

18-24 in. \$2.00, 10 \$15.00

2½-3 ft. \$2.75, 10 \$23.00

atropurpureus (Wahoo). 15 ft. Zone IV. Very fine fall foliage.

4-5 ft. \$1.50, 5-6 ft. \$2.00

europeus (Spindle-tree). 20 ft. Zone III. Showy red and orange fruit, September.

3-4 ft. \$1.15, 10 \$11.00

yedoensis (Yahoo). 12 ft. Zone IV. Pink fruit in September. Handsome.

3-4 ft. \$1.50, 5-6 ft. \$2.00

FORSYTHIA intermedia (Golden Bell). 9 ft. Zone IV. Familiar yellow blooms in April. Almost fool-proof.

★18 in. 25 for \$4.00, 100 \$10.00

3 ft. \$.95, 10 \$8.00, 100 \$40.00

SPECTABILIS. More, larger, yellow flowers. Zone V. 8 ft.

★12 in. 25 for \$4.00, 100 \$12.00

3 ft. \$1.00, 10 \$8.50, 100 \$70

ovata (Korean Forsythia). 6 ft. Zone IV. Less showy, but decidedly hardier and a week earlier.

3 ft. \$1.40, 4 ft. \$1.60

suspensa (Weeping Golden Bell). 6 ft. Zone V. Good May show. Drooping branches root and hold banks.

★12 in. 25 for \$6.00, 100 \$20.00

3 ft. \$1.25, 10 \$9.00, 100 \$70

HAMAMELIS mollis (Chinese Witch-hazel). Very showy yellow. Feb. and March. 20 ft. Zone V.

★3-in. pots. \$3.00, 5 for \$11.00

3 ft., full specimens. \$7.00 each

HIBISCUS syriacus (Althea). 12 ft. Tree-like. Zone V. Heavy soil. Various colors in July and August. Double pinks and whites are very good. Avoid purples and reds, except singles.

★18 in. (mixed single)

30 for \$4.00, 100 \$8.00

ANEMONEAEFLORUS. Semi-double rose. Six weeks in bloom.

COELESTIS. Large single blue.

TOTUS ALBUS. Large single white.

Prices on above three, any one kind:

3-4 ft. \$1.25, 5 for \$5.50

HYDRANGEA arborescens grandiflora (Snow Hill). 4 ft. Zone IV. Straggling unless cut to ground. Huge white blooms, July-August. Manure.

18 in. \$.90, 10 \$8.00, 100 \$75

paniculata grandiflora (Peegee). 10 ft. Zone IV. Similar to above, a month later, and blooms turn pink.

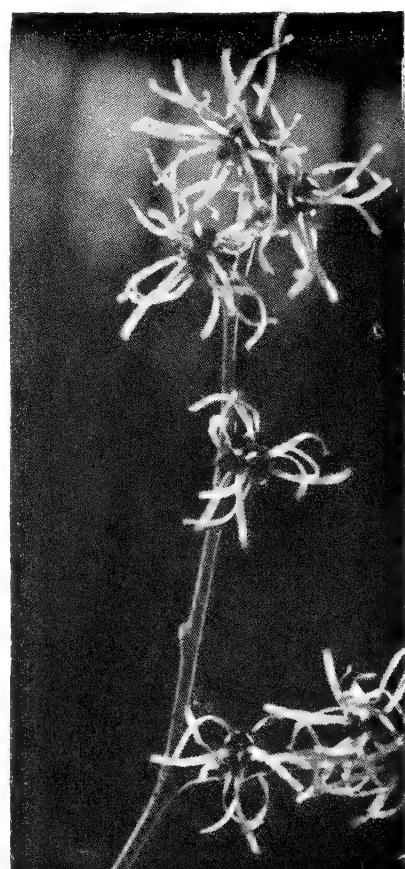
12 in. 10 for \$6.00, 100 \$40.00

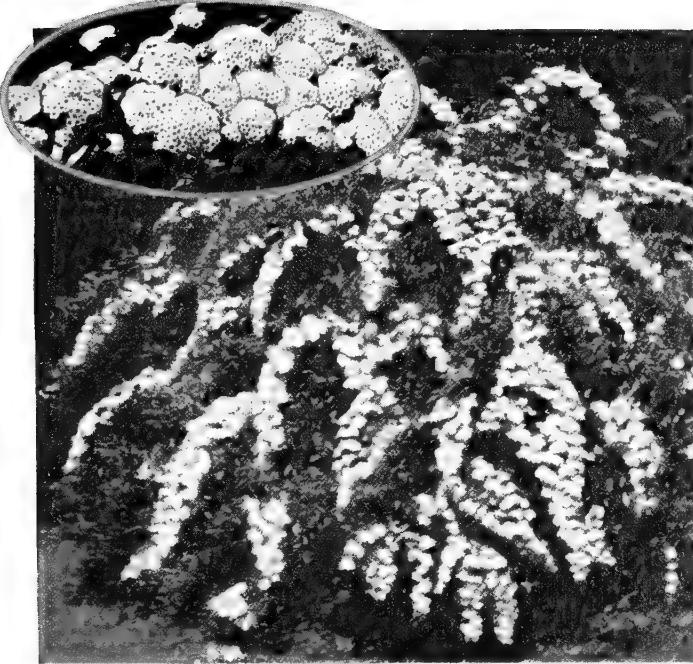
3-4 ft. \$1.50, 5 \$6.00

Nikko Blue. A hardy (Zone VI) form of the florists' Hydrangea.

12-15 in. \$1.25, 5 for \$5.00

Photo: Hamamelis mollis





Korean Spiraea (Page 40)

HYPERICUM prolificum (Shrubby St. Johnswort). Zone IV to 5 ft. Bright yellow in Aug. Vigorous. Drain. Neutral soil.

★12-18 in. 10 \$2.50, 100 \$10.00
18 in. \$.90, 10 \$7.00, 100 \$60.00
3 ft. \$1.35, 10 for \$11.00

ILEX verticillata (Winterberry). 15 ft. Zone III. Dampness preferred. Many red berries all winter. A show.

★18-24 in. 25 \$5.00, 100 \$16.00
3 ft. \$1.35, 10 \$11.00, 100 \$75

KOLKWITZIA amabilis (Beauty Bush). 8 ft. Zone V. Sun, loose. A light green fountain flushed with a cascade of pink in June.

12-18 in...5 \$4.00, 100 \$65.00
3 ft. \$1.50, 10 \$12.00, 100 \$95

LIGustrum amurense (Amur Privet "North"). 12 ft. Zone V. Almost fool-proof.

★18-24 in. 25 \$5.00, 100 \$15.00
2- 3 ft. .10 \$3.00, 100 \$20.00

ibolum (Hybrid Privet). 10 ft. Zone V. Hardy and compact. The best privet hedge for the north.

★18-24 in. 25 \$4.00, 100 \$12.00
2 ft. X..25 \$6.50, 100 \$20.00

ovalifolium (California Privet). 15 ft. Zone (V). Kills back in severe winters. Also fool-proof to grow.

★18-24 in. 25 \$3.00, 100 \$9.00
2 ft.25 \$5.00, 100 \$15.00

LONICERA fragrantissima. (Winter Honeysuckle). 6 ft. Zone V. Yellow, fragrant, April; red berries, July. Semi-evergreen.

★18-24 in. 10 \$3.00, 100 \$ 9.00
3 ft. \$1.15, 10 \$9.50, 100 \$70.00

korolkowi floribunda (Broad Blue-leaf). 9 ft. Zone IV. Intricate gray shrub. Pink in June, scarlet fruit in July.

2 to 3 ft. \$1.35, 3 to 4 ft. \$2.00

morrowi (Morrow Bush Honeysuckle). 7 ft. Zone III. Spreading, bushy. Cream in July, scarlet fruit in July.

18-24 in. 25 \$4.00, 100 \$12.50
3 ft. \$1.15, 10 \$9.00, 100 \$75.00

tatarica (Tatarian Honeysuckle). 8 ft. Zone IV. Bushy. Flower, June; red berry, July. Order: Red, White, or Pink.

★18-24 in. 25 \$4.50, 100 \$12.50
3 ft. \$1.15, 10 \$8.50, 100 \$75.00

Syringantha (Lilac Honeysuckle). Shrub to 8 ft. Zone IV. Fragrant masses of rosy bloom in June.

18 in. \$1.25, 10 \$9.50, 100 \$80.00
3 ft. \$1.85, 10 \$15.00, 100 \$140

Viburnum trilobum (Page 41)

MYRICA carolinensis (Bayberry). 6 ft. Zone II. A shapely rounded bush. Good foliage. Barren, sandy soils.

15-18 in..... \$1.65, 5 for \$6.50

PHILADELPHUS coronarius (Sweet Syringa). 9 ft. Zone IV. White in June. Very fragrant. Needs lime.

★18-24 in. 25 \$4.50, 100 \$15.00
3 ft. \$.95, 10 \$8.00, 100 \$70.00

grandiflorus (Scentless Mock Orange). 9 ft. Zone IV. Large white blooms. June.

3 ft. \$.95, 10 \$8.00, 100 \$70.00

Mt. Blanc. 4 ft. dwarf, upright and compact, with many single white blooms. Useful, showy, fragrant.

3 ft. \$1.25, 10 \$9.00, 100 \$70.00

virginal. 8 ft. Zone V. Double, fragrant, translucent white blooms load the bush in June. Then a fair show through summer, particularly if pruned.

12-18 in. 10 \$7.50, 100 \$60.00
3 ft. \$1.50, 10 \$12.00, 100 \$95

PHOTINIA villosa (Christmas Berry). 20 ft. Zone IV. Drain, sun. White in May. Showy red fruits. Birds love it.

3 ft. \$1.25, 10 \$9.50, 100 \$85.00
5 ft. \$2.25, 10 \$19.00, 100 \$160

POTENTILLA fruticosa. 5 ft. Zone II. Large bloom, May to August. Sun, drain, moist.

PARVIFOLIA. Dwarf, pale yellow.
15-18 in..... \$1.00, 10 \$8.00

PURDOMI. Deep yellow variety.
2-3 ft. \$1.50, 10 \$12.50



Photo: Kolkwitzia

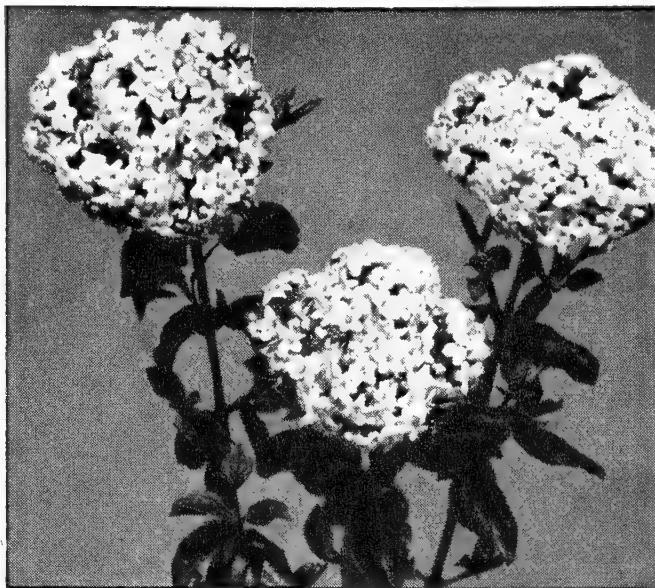


Photo: Viburnum Burkwoodi



Viburnum tomentosum plicatum

PRINSEPIA uniflora. Slender shiny shrub to 5 ft. Zone V. White, April. Bright green leaves long before other shrubs start. Tasty, cherry-like fruit. August. Unusual, rare.

18 in. (pots) . . \$2.00, 10 \$20.00

RHAMNUS cathartica (Buckthorn). 15 ft. Zone II. Fine, bushy, dense, thorny hedge. Very hardy.

★2 ft. 30 for \$6.50, 100 \$20.00
2-3 ft. \$1.00, 10 \$7.00, 100 \$60.

frangula. 15 ft. Zone II. Like above, but shiny leaves. August a load of red-purple fruit.

18-24 in. 10 \$5.50, 100 \$45.00
3 ft. \$1.00, 10 \$8.00, 100 \$60.00

RHODOTYPOS kerroides (White Kerria). 6 ft. Zone IV. Very tolerant. White in May, black shiny fruit all summer.

12-18 in. 10 \$6.50, 100 \$50.00
2-3 ft. \$1.15, 10 \$9.00, 100 \$80

RHUS canadensis (Fragrant Sumac). 4 ft. Trailing. Zone III. Yellow, April. Grows in poor soil.

2-3 ft. . . . 10 \$5.00, 100 \$35.00

SPIRAEA Anthony Waterer. 3 ft. Zone V. Rose blooms, June to August.

15 in., \$.90, 10 \$6.50, 100 \$50.00

trichocarpa (Korean Spiraea). 6 ft. Zone V. Neat, spreading bush. Garlands of white, June.

3 ft. \$.95, 10 \$8.50, 100 \$65.00

Van Houttei (Modern "Bridal-wreath"). 6 ft. Zone IV. Familiar everywhere for the white May garlands.

★12-18 in. 25 for \$3.50, 100 \$10
3 ft. \$.95, 10 \$7.50, 100 \$55.00

* = young, unformed. X = transplanted.
Plants not marked: well shaped.

SORBARIA Aitchisoni. 8 ft. Zone (V). Creamy flowers July-August. Handsome leaf. Part shade.

3-4 ft. \$1.35, 5 for \$5.00

sorbifolia. 6 ft. Zone II. Creamy panicles June-July. Very early in leaf.

3-4 ft. \$1.35, 5 for \$5.00

SYRINGA — The Lilacs

All tolerant, but need extra lime

chinensis ("Rothomagensis"). 12 ft. Zone V. Graceful; Lilac, May. Very faithful bloomer. Lime. Sun.

12 in. 10 for \$6.00, 100 \$45.00
3 ft. \$1.35, 10 \$12.00, 100 \$95

japonica (Tree Lilac). 30 ft. Zone IV. Blue-gray clusters in June and July. Different. Tolerant.

2-3 ft. \$1.75, 5 \$7.00

persica (Persian Lilac). 6 ft. Zone V. Fragrant lilac, May.

★12 in. 25 for \$6.00, 100 \$22.00
3 ft. \$1.50, 10 \$12.50, 100 \$95

villosa (Late Lilac). 9 ft. Dense. Zone II. Violet, late May.

12 in. 10 for \$5.50, 100 \$45.00
3 ft. \$1.50, 10 \$12.50, 100 \$95

vulgaris (Old-fashioned Lilac). 15 ft. Zone III. Spreads by suckers to huge clumps. Purple, May. Fragrant.

★12-18 in. 25 \$5.00, 100 \$15.00
3 ft. \$1.35, 10 \$9.50, 100 \$85
6 ft. \$3.50, 5 \$15.00

ALBA. White form of above.

★12-18 in. 25 for \$5, 100 \$17.50
3 ft. \$1.75, 10 \$12.50, 100 \$115
6 ft. \$5.75, 5 \$22.50

SYMPHORICARPOS racemosus (Snowberry). 5 ft. Zone III. Clay, lime. Useful for showy white berries in August. Good dwarf shrub.

★12-18 in. 30 for \$4.00, 100 \$12
3 ft. \$1.15, 10 \$8.00, 100 \$70.

vulgaris (Coralberry). 5 ft. Zone II. Berries red, hang late.

★18 in. 25 for \$3.00, 100 \$9.00
3 ft. \$1.15, 10 \$8.00, 100 \$70.

NAMED HYBRID LILACS

Huge fragrant trusses in many colors. Both "S" (Single) and "D" (Double) forms are charming. Ratings below are by experts—10.0 would be perfect. Lilac colors are impossible to describe—notes below are mere indications. Each kind priced at: 2 to 3 ft. \$1.75 each.

Alphonse Lavalle. (5.0)—D. Lilac

Belle de Nancy. (6.2)—D. Satin-pink

Charles X. (6.8)—S. Red-purple.

Ellen Wilmott (8.0)—D. White.

Kath. Havemeyer. (7.3)—D. Pinkish.

Ludwig Spaeth. (7.8)—S. Purple.

Marie LeGraye. (5.6)—S. White.

Michael Buchner. (5.8)—D. Lilac.

Mme. C. Perier. (6.3)—D. White.

Mme. Lemoine. (6.6)—D. White.

Pres. Fallieres. (7.7)—D. Lilac.

Pres. Viger. (6.8)—D. Blue-lilac.

Ville de Troye. (6.3)—S. Purple.

TAMARIX africana. 15 ft. Zone V. Pink in April.

2 ft. \$.90, 10 \$7.50, 100 \$55.00

pentandra. 10 ft. Zone II. Pink racemes. July-August.

2-3 ft. 5 for \$4.50, 100 \$70.00

VIBURNUM—Shrub Aristocrat

Not only showy flower and fruit, but perfect in leaf and branch, too. Charming, tolerant.

barkwoodi. 5 ft. Zone V. New hybrid, with fragrant pink blooms in May, borne young. Superior to *Carlesii* though similar. Half evergreen.

★**2½-in.** pots 5 for \$5, 25 for \$16
12-15 in. (pot) 5 \$12, 25 \$52.50
18-24 in. B&B \$5.00, 5 \$22.50
24-30 in. B&B (heavy) \$7.00 each

carlesi (Fragrant Viburnum). 5 ft. Zone IV. Delicious pink clusters in May. Drain; keep moist in summer. Sun, shelter. Fragrant, beautiful.

★**2¼-in.** pots 5 for \$5, 25 for \$16
15-18 in. B&B \$4.50, 5 \$20.00
18-24 in. B&B \$5.50, 5 \$25.00

dentatum (Arrow Wood). 12 ft. Zone II. Damp, shade. Cream, May. 3 ft. \$1.10, 10 \$9.00, 100 \$75

lantana (Wayfaring Tree). 15 ft. Zone III. Bold, striking, fall color. Fruits red, then black. Lime.

2-3 ft. 5 for \$4.00, 100 \$70.00
3 ft. \$1.35, 10 \$9.50, 100 \$80
5-6 ft. \$2.00 each, 5 \$8.00

leptocephalum (Nannyberry). 25 ft. Zone II. Damp, shade. Black berry. Crimson fall leaf.

4 ft. \$1.50, 10 \$12.00, 100 \$95

prunifolium (Black Haw). 15 ft. Zone III. Like a Hawthorn, May, white. Black fruit hangs late.

5 ft. \$4.00, 6 ft. \$5.50

opulus (European Cranberry). 12 ft. Zone III. White, May. Fruit and leaf red in autumn. Strong, bold effect. Very handsome. (*Americanum* is even better.)

12-18 in. X 10 \$5.50, 100 \$47.50
3 ft. \$1.15, 10 \$9.50, 100 \$80
5 ft. \$1.80 each, 5 \$7.50

NANUM. 2 ft. Dwarf replica of *opus*lus.

6-9 in. 5 \$6.00, 100 \$75.00

STERILE (Snowball). Bush like *Oplu*lus, but flowers much showier and no berries at all.

12-18 in. 5 for \$3.50, 100 \$60
3 ft. \$1.15, 10 \$9.50, 100 \$80

tomentosum (Doublefile Viburnum). 10 ft. Zone IV. Horizontal strings of snowy blooms in June. Neat.

3 ft. \$1.25, 10 \$9.75, 100 \$90

PLICATUM (Japan Snowball). Form without fruit, but showier bloom.

18-24 in. \$1.25, 10 for \$9.50

trilobum (Cranberry Bush). 12 ft. Zone II. Bright berries all winter. Fall color.

6-12 in. 25 for \$5, 100 \$17.50
18-24 in. 5 for \$3, 100 \$45.00
3 ft. \$1.15, 10 \$9.50, 100 \$80
6 ft. \$2.90 each, 5 \$12.50

VITEX agnus-castus (Lilac Chaste Tree). 8 ft. Zone VI. But a hardy perennial further north. Showy lavender-blue flowers in July to frost. Sun, acid.

3 ft. \$1.50, 10 \$11.00, 100 \$90

WEIGELA amabilis (Rosea). 9 ft. Zone V. May. Pink. Drainage.

★12-18 in. 25 for \$5, 100 \$15
18 in. \$1.00, 10 \$6.00, 100 \$45

candida. June. Profuse, creamy.

3 ft. \$1.25, 5 for \$5.00

Eva Rathke. Dark red blooms in June, then sparsely to August.

★12-18 in. 25 for \$8, 100 \$25.00
2 ft. \$1.15, 10 \$9.50, 100 \$80

Photo: Lilac Marie LeGray



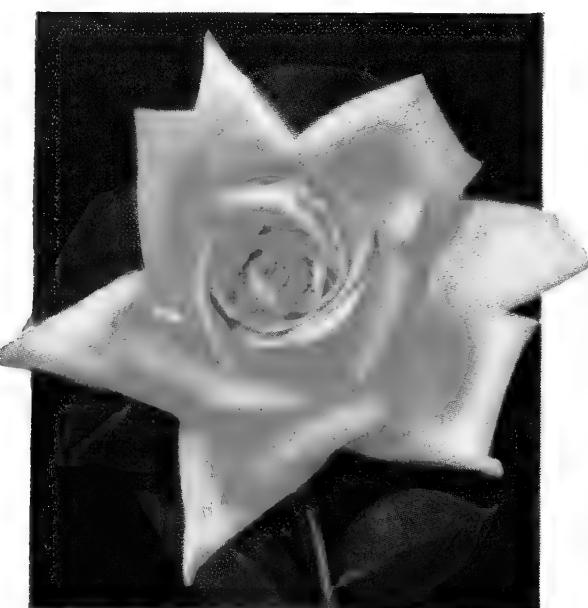
ROSES

Brownell Sub-Zero Roses

The results of more than a decade of research, this new race of roses adds to unusual hardiness a character of improving with age, unlike most hybrid teas do. They are exceptionally easy to grow and bring into bloom. Disease resistant. HARDINESS: About Zone IV, but roots will survive still colder climates and even if tops damaged, new growth will be ready to bloom by rose time. Tops protected by hilling or burlap seldom kill back. Any plant that fails to bloom in 2 years will be replaced free.



V for Victory



Curly Pink



Golden Climber

6 Best Brownell Hybrid Teas

Bloom all summer long on hardier, longer-lived bushes.

Pink Princess. Bud red, flower deep pink. Free from premature defoliation. Blooms all summer.

Shades of Autumn. Showy red and yellow beauty.

V for Victory. Large, double, yellow, fragrant, profuse.

Lily Pons. White, large. Vigorous, free bloomer.

Velvetier. Velvety, deep, dark red. Sometimes in clusters.

Curly Pink. Clusters of large two-toned pink all summer. Vigor, health, and constancy. New.

Red Duchess. Robust, sturdy large red. Outstanding fragrance. Grand new rose. Brilliant, attractive, free to flower. This fine new red has attracted instant friends wherever seen in the past year. All the color and size you could want—but extra hardy!



Red
Duchess

Here are the best of the named Roses. At least three hours sunlight. Most prefer rich heavy soils.

All Brownell Roses are priced \$1.75 each, 3 for \$5.00 (unless marked)

4 Brownell Floribundas

Everblooming, hardy, bushy clumps.

Tomkins Red. Semi-double, velvet red all summer.

Anne Vanderbilt. Exquisite coppery orange, informal, semi-double, brilliant, fragrant. All summer.

Yellow Curls. Very double, pure yellow. Up to 100 blooms per plant.

4 Brownell Creepers

For ground cover, on walls, on fences.

Coral Creeper. All the shades of ocean coral complementing other delightful rose tints. (June).

Little Compton Creeper. Deep rose-pink. Single flowers in clusters.

Creeping Everbloom. Light crimson, double. The first all-summer creeper.

Magic Carpet. Large, double blooms, yellow and orange tones.

5 Brownell Climbers

Vigorous, extra hardy, vivid. Note two everblooming.

Elegance. Very large, perfect bloom. White with shaded yellow center. Grand show.

Golden Climber (Mrs. A. C. James). Best yellow climber. Fragrant. Ideal for cutting.

Copper Glow. Deep coppery orange. Delightful spicy fragrance. Sensational color.

Climbing Break O'Day. Vigorous, everblooming apricot. \$2.00 each.

Orange Everglow. Constant copper-orange blooms. Fragrant, vigorous. \$2.00 each.

Shrub Roses (Species)

hugonis (Father Hugo's Rose). 8 ft. Zone V. Yellow in May.

12-18 in. 5 for \$4.00, 100 \$60
3 ft...5 for \$7.00, 100 \$120.00

lucida (Virginia Rose). Shrub. Zone II. Pink, June-July.

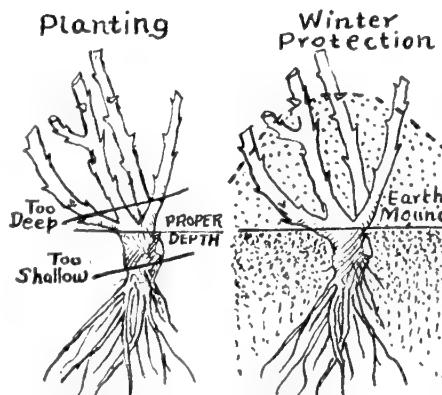
18 in. \$.90, 10 \$7.00, 100 \$55

nitida (Bristly Rose). Shrub. Zone IV. Pink in May.

18 in. \$.90, 10 \$7.50, 100 \$60

ROSES

Planting



Winter Protection

palustris (Swamp Rose). Shrub. Zone IV. Pink, July-Aug.

18 in. \$.90, 10 \$7.50, 100 \$60

rugosa (Red Rugosa Rose). 6 ft. Zone II. Red. All summer.

★ 6-10 in. 25 for \$3.00, 100 \$10
12-18 in....10 \$6.50, 25 \$13
2 ft. \$1.00, 10 \$8.50, 100 \$75

ALBA. White form of rugosa.

12-18 in. 5 for \$5.00, 100 \$60
2-3 ft. \$1.00, 10 \$9.50, 100 \$90

BLANC DBL. de COUBERT. Fragrant, double, showy.

18-24 in. 5 for \$5.50, 100 \$95

setigera (Prairie Rose). Shrub. Zone IV. Pink mid-summer.

2 ft. \$.90, 10 \$7.00, 100 \$60.00

wichuriana (Memorial Rose). Zone V. Trailer. White all summer.

★ 12-18 in. S 25 \$6.00, 100 \$19
2-year...10 for \$6.50, 100 \$40

Other Good Roses

Hybrid Teas. Dwarf, bloom all summer. Zone (V). Prune each winter, fertilize well. 2 year No. 1, field grown, \$1.25. (Any 6 for \$6.75).

AUTUMN. Red, orange and pink.

BETTY UPRICHARD. Salmon; pink.

CALEDONIA. Fine large white.

EDITOR McFARLAND. Deep pink.

MME. J. BOUCHE. Finest white.

MARG. McGREDY. Orange-scarlet.

McGREDY SCARLET. Huge red.

PRES. HOOVER. Yellow and orange.

RED RADIANCE. Dependable red.

SISTER THERESE. Good yellow.

TALISMAN. Scarlet and yellow blend. Outstanding and vigorous.

BETTER TIMES. Large bright cerise-pink. \$1.35. (3, \$3.50).

CRIMSON GLORY. Velvety crimson. Finest red. \$1.50. (3, \$3.75).

PEACE. Soft yellow, suffused pink. Strong grower. Charming and outstanding. \$2.00. (3, \$5.00).

Hardy Climbers. Lusty, tolerant vines, bloom in June. Zone V. 2-yr. No. 1 size \$1.25 (3 for \$3.50).

DR. VAN FLEET. Large double soft pink. Very vigorous, healthy.

MARY WALLACE. Large rose-pink.

PAUL SCARLET. Vivid scarlet.

SILVER MOON. Huge single white.

BLAZE. Vivid scarlet, blooms several times thru summer. \$1.50.

DOUBLOONS. Extra hardy yellow. Also a repeater. \$1.50.

NEW DAWN. Van Fleet that blooms intermittently in summer, as well as June. \$2.00.

Polyanthas. Dwarf semi-climbers bloom all summer. Zone V. Space 18 inches. Following are new large-flowering types ("floribundas"). 2 year No. 1, field grown, \$1.25 each.

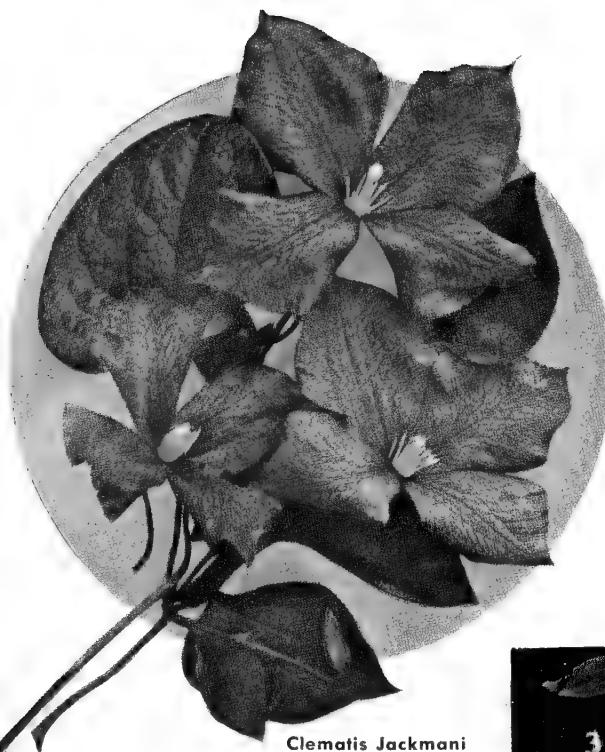
BETTY PRIOR. Large single pink.

FLORADORA. Scarlet, orange.

PINOCCHIO. Salmon flushed gold.

BRIGHT EYES. Cream-yellow.

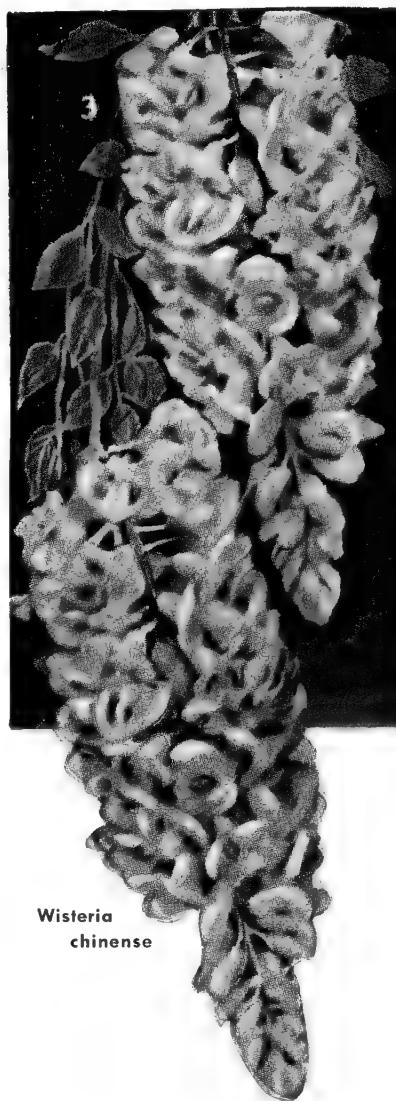
VINES



Clematis Jackmani

THESE plants are really shrubs that climb; plant just like shrubs (see Page 36). Only deciduous kinds here; for evergreen vines see Page 30. Vines and plants for Ground Covers are on Page 8.

Their climbing habits vary: Some need tying, others will twine if supports are available, others cling or root to rough surfaces without support. All are tolerant, those marked * in table need no care at all.



Wisteria
chinense

AKEBIA quinata (Five-leaf Akebia). Zone V. vine. Handsome purple bloom in May. Sun. Drain.

2-yr plants.. \$1.00 each, 5 \$4.00

AMPELOPSIS brevipedunculata (*heterophylla*). Vigorous vine. Zone IV. Showy bright blue berries, Sept.-Oct. Called "Porcelain Ampelopsis." This is an excellent vine. Tolerant.

2-yr..... \$1.25 each, 5 \$5.00

quinquefolia. See Parthenocissus.

tricuspidata. See Parthenocissus

ARISTOLOCHIA durior (Siphon) (Dutchman's Pipe). Vine to 30 ft. Odd, large yellow and brown flowers in May. Large leaves. Vigorous. Tolerant. Zone IV.

Heavy 4-yr. \$2.75 each, 3 \$6.50

BIGNONIA (now *Campsis*)

CAMPsis radicans (Trumpet Vine). 60 ft. Vine. Zone V. Scarlet flowers, July to Sept. Prefers humus. Trained on a post, covers it quickly and seems like a small tree.

★12 in. S 25 for \$2.50, 100 \$9.00
2-yr..... \$.65 each, 5 \$2.50

CELASTRUS scandens (American Bittersweet). 20 ft. Zone IV. Similar, but more dwarf. Easily grown. Note—only females bear berries. Plant several together to be sure.

★12 in. S 25 for \$2.50, 100 \$9.50
2-yr..... \$.90 each, 5 \$4.25

Orbiculatus (Oriental Bittersweet). 30 ft. Vine. Zone V. Brilliant red and yellow fruit in autumn. Vigorous.

★12 in. S 25 for \$2.50, 100 \$9.50
2-yr..... \$.95 each, 5 \$4.25

paniculata (Sweet Autumn Clematis). 25 ft. Zone V. Woody and vigorous. Fragrant white, Sept.-Oct. Free from pests.

2-yr. \$7.50, 10 \$5.50, 100 \$45.00

EUONYMUS. (See Page 35.)

HEDERA (See Page 36.)

JASMINUM stephanense (Hybrid Jasmine). 20 ft. Vine. Zone VI. Pink, fragrant, May.

★18 in. X 5 for \$3.00, 100 \$40.00

nudiflorum (Winter Jasmine). 15 ft. Zone V. Bright yellow, Feb. to April. Tolerant.

★6 in. X 5 for \$2.50, 100 \$35.00

HYDRANGEA petiolaris (Climbing Hydrangea). 35 ft. Vine. Zone III. Self-climbing. Handsome white show in June.

Pots..... \$1.75 each, 5 \$8.00

LONICERA heckrottii (Everblooming Honeysuckle). Dwarf vine. Zone V. Yellow and purple to Sept. Can be pruned to a shrub form.

2-yr..... \$1.25 each, 5 \$5.75

GOLDFLAME. Color yellow and red, very showy form.

2-yr. No. 1. \$1.00 each, 5 \$4.50

japonica halliana (Japan Honeysuckle). 20 ft. Zone V. Quick cover for walls or ground. Fragrant, yellow, June.

★12 in. X. 25 \$5.00, 100 \$15.00
2-yr... 5 for \$2.00, 100 \$30.00

sempervirens (Trumpet Honeysuckle). 30 ft. Vine. Zone V. Semi-evergreen. Scarlet trumpets all summer long.

★1-yr. light 25 \$2.00, 100 \$7.50
2-yr..... \$.95 each, 5 \$4.00

MAGNIFICA. Color of the trumpets more orange. Much freer to bloom. Fine.

2-yr..... \$.95 each, 5 \$4.50

CLEMATIS Hybrids. 8 ft. Zone V. Bloom July and August. Light loam, manure, drain. Sun. Prune little.

HENRYI. Showy white.

JACKMANI. Popular rich violet.

MME. ANDRE. Wine red.

RAMONA. Lavender-blue.

2-yr. \$1.35, any 3 for \$3.50

Cling	Twine	Need Tying	o = fruit x = flower	Early	May	June	Summer	Autumn
x	x	..	Akebia*	..	x	..	..	..
x	..	x	Ampelopsis*	..	..	..	..	o
x	..	..	Aristolochia	..	x	..	..	..
x	..	..	Bignonia*	..	..	x	..	..
..	x	..	Celastrus*	..	..	..	o	..
..	..	..	Clematis	..	..	x	..	..
x	..	..	Euonymus	..	..	..	o	..
x	..	..	Hedera*	..	..	..	..	..
x	..	..	Hydrangea	..	..	x	..	..
..	x	..	Jasminum	x	x	..	..	..
x	..	..	Lonicera*	..	..	x	x	..
..	x	..	Lycium*	..	..	x	..	o
x	..	..	Parthenocissus*	..	..	..	..	..
..	x	..	Polygonum	..	..	..	x	..
..	x	..	Rose	..	x	x	..	..
x	..	..	Vitis	..	..	o	o	..
x	..	..	Wisteria*	..	x	x	..	..

LYCIUM chinense (Matrimony Vine). 12 ft. Sprawling shrub or vine. Zone V. Purple flower all summer; scarlet fruit all autumn.

★12 in. S...25 \$3.50, 100 \$10.00
2-yr.....\$.90 each, 5 for \$3.50

PARTHENOCISSUS quinquefolia (Virginia Creeper). Vine. 30 ft. Zone V. Vigorous. Fall color.

★2-yr. S...25 \$5.00, 100 \$17.50
2-yr. \$.75, 10 \$5.50, 100 \$40.00

ENGELMANNI (Englemann Ivy). The same with smaller leaves.

2-yr. \$.75, 10 \$5.50, 100 \$40.00

tricuspidata (Boston Ivy). Vine. 40 ft. Zone V. The most popular. Self-clinging. Dense. Fall color.

2-yr. \$.90, 10 \$6.25, 100 \$50.00

LOWI. A neater, smaller leaf, denser growth. Very fine.

3-in. pots. .5 \$4.50, 100 \$60.00

PACHYSANDRA (See Page 8, 35).

VINCA (See Page 8, 35.)

POLYGONUM auberti (Silver Lace Vine). 25 ft. Zone V. Amazingly fast grower. Covered with white bloom Sept. and October. Tolerant. Prune back to live wood each spring.

2-yr.....\$.95 each, 5 \$4.00

ROSES Climbing. These are among the most useful of all flowering vines. To be found under "ROSES" on PAGE 43.

VITIS, Native Grapes. Handsome vines. Zone V. Fruiting kinds, page 51.

Aestivalis (Summer Grape). Sept.

Cordifolia (Frost Grape). Oct.

Rotundifolia (Muscadine). August.

Prices on any one of above grapes:

★12 in. S...10 \$2.00, 100 \$9.00

Polygonum auberti

WISTERIA floribunda (multijuga) (Long-cluster Wisteria). 25 ft. Zone V. Fragrant purple long clusters, May and June. Humus, drain, sun.

2-yr.....\$1.25 each, 5 \$5.00

PRAECOX. Dwarfer, blue. Very young to bloom. Showy. Grafted plants.

2 yr.....\$2.25 each

VIOLACEA PLENA. Double violet. The darkest Wisteria.

4-yr. heavy....\$3.50, 10 \$30.00

sinensis (Chinese Wisteria). 30 ft. Zone V. Short, compact, violet in May. Fragrant. Sun, drain.

2-yr.....\$1.25 each, 5 \$5.00

ALBA (White Wisteria). A good white form.

2-yr.....\$1.25 each, 5 \$5.00

*=small, unformed plants. S=seedlings.
X=transplanted. Unmarked =well-grown,
shapely plants.



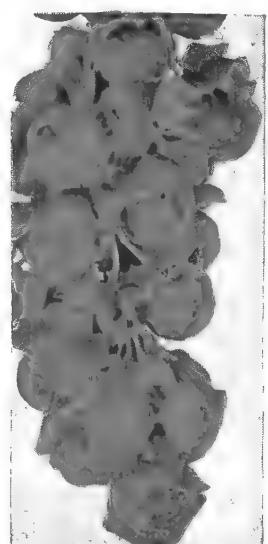
Campsis radicans



Lonicera japonica



Clematis paniculata



Celastrus scandens

FRUITS

For the most part they need some care; those most labor-saving include: Crab-apples, Bush-cherry, Blueberry, Blackberry, nut trees and the dwarfed fruits rather than the standard trees. An orchard so planned can be less than half as much work and expense as an unplanned orchard. Fruit trees are planted like any other deciduous tree (see Page 22) or, if shrubs see Page 36.

PLANTING DISTANCES

Apple, Standard.....	30 by 30 ft.
Apple, Dwarf.....	10 by 10 ft.
Cherry.....	25 by 25 ft.
Peach or Plum.....	20 by 20 ft.
Peach, Plum, Dwarf	10 by 10 ft.
Pear, Standard.....	25 by 25 ft.
Pear, Dwarf.....	10 by 10 ft.
Apricot.....	16 by 16 ft.
Blackberry.....	2 ft. by 6 to 8 ft.
Raspberry.....	2 ft. by 3 to 4 ft.
Grape.....	8 by 10 ft.
Blueberry.....	4 by 6 ft.

Drainage. Air among the roots is essential; enables a tree to use food. Drainage must always be good in an orchard.

Pruning. The more leaves left on a tree, the likelier it is to bear next year. But let no parallel branches lie closer than a foot apart, and remove chafing branches.

Watering. The supply of water determines growth and fruitfulness—particularly in summer. Artificial watering is all right, so a meager water-supply can be eked out by cultivation or mulching.

Fertilizing. Overfeeding prevents flowers (hence fruit) by forcing all buds to be leaf buds. Feed just enough for health.

SELF-STERILITY OF FRUITS

Many fruits do not bear good crops if planted separately. Pollen from nearby trees of different variety is often needed. Noted on these pages by:

●—self-unfruitful. Do not plant by itself, but always with another variety of the same fruit.

(P)—good pollenizer.

FRUIT TREE PRICES

NOTE: 5 assorted is minimum order at these prices. 4 or less can be ordered, but there will be \$1.00 handling charge in that case.

APPLES.....	\$1.35
2-year 5 ft. 1½ in.	
SWEET CHERRIES.....	2.00
2-year 1½ in.	
SOUR CHERRIES.....	2.00
2-year 4 ft. 1½ in.	
CRABS.....	1.35
2-year 4 ft. 1½ in.	
PEACHES.....	1.25
1-year ½ in.	
PEARS.....	1.55
2-year 1½ in.	
PLUMS.....	1.55
2-year 1½ in.	
QUINCE.....	2.00
2-year 3 to 4 feet	
APRICOT.....	1.65
1-year 3 to 4 ft.	

APPLES (*Malus pumila*)

Bear 7th year. Space 25 ft. Zone IV.

EARLY SUMMER

Yellow Transparent. Golden, juicy. Young biennial bearer. Cooking.

Lodi. Larger, better quality. Young annual bearer. Eating. Cooking.

SUMMER APPLES

Red Astrachan. (P) Large striped red. Young biennial bearer. Eating, cooking.

Early McIntosh. (P)—best for Northern Spy.) Like McIntosh. Biennial bearer. Eating, cooking, baking.

AUTUMN APPLES

Gravenstein. Large striped red. Good quality. Eating and cooking.

Fall Pippin. Striped red, medium sized. Annual bearer. Eating, cooking.

● **King.** Large, crisp, juicy. Light annual bearer. Eating, cooking.

● **McIntosh.** (P) Striped; delicate, aromatic flesh. Young annual bearer. Eating, cooking, baking.

● **Red McIntosh.** (P) Solid red form.

Wealthy. (P) Striped red, wonderful flavor, juicy. Young annual bearer. Eating, cooking, baking.

CRAB APPLES

Hyslop. Large, purplish red. Flesh yellow, pleasant. Biennial bearer.

Dolgo. Handsome flowering crab. Makes ruby red juice. Sept.

WINTER APPLES

Baldwin. Large, red, hardy, good quality. Biennial bearer. Eating, cooking.

● **Cortland.** (P—best for McIntosh.) Larger, late keeping McIntosh. Annual bearer. Eating, cooking.

● **Delicious.** (P) Crimson. Crisp, tender, juicy. Annual bearer. Eating.

● **Fameuse (Snow Apple).** Fine red dessert apple—eating, baking. Snowy white, delicious flesh. Annual bearer.

● **Golden Delicious.** Large, yellow. Marvelous flavor. Young annual bearer. Eating, cooking.

Golden Russet. Highest quality cider-apple, or for spring eating, baking.

● **Jonathan.** (P) Young annual bearer. Brilliant red, high flavor. Eating, cooking.

● **Northern Spy.** (P—for all but McIntosh). Large red, striped, high flavor. Annual bearer. Eating, cooking.

● **Red Delicious.** (P) Solid dark red strain.

● **Rhode Island Greening.** Large green-yellow. Annual. Eating.

● **Stayman's Winesap.** Young biennial bearer, striped or dull red. Eating, cooking.

5-in-1 APPLE

All on one tree. Golden Delicious, Red Delicious, Rome Beauty, Yellow Transparent, Stayman's Winesap. 5 ft. \$3.15.



PLUMS (*Prunus*)

Bear 5th year. Spaces 20 ft. Trifloras and European varieties do not cross-pollinate. Zone III.

TRIFLORAS (*P. Salicina*)

● **Abundance.** Red, medium sized. Flesh yellow, juicy. Vigorous, productive. Aug.

● **Burbank.** Red, medium sized. Flesh yellow, very juicy. Late Aug.

DAMSONS (*P. Insititia*)

Shropshire Damson. Small, purple, best for jams. Productive. Sept.

EUROPEAN (*P. domestica*)

German Prune. Large dark blue. Aug.

● **Lombard.** Medium-size, juicy, dark red. A hardy, prolific bearer. Sept.

● **Reine Claude** (Bavay's Green Gage). Large, yellow. Late Sept.

Stanley. Large dark blue prune. Annual bearer. Late Sept.

APRICOT (*Prunus*)

Bear 3rd year. Space 16 ft. Zone V.

Early Golden. Small, sweet, July.

Moorpark. Best quality of all, but not so heavy to bear. August.

PEACH (*Prunus persica*)

Bear 3rd year. Space 16 ft. Zone V..

All are Freestone

Belle of Georgia. White, rich flavor. Vigorous, productive. Sept. Extra hardy.

Carman. Large white. Fine flavor, quite juicy. Aug. Extra hardy.

Champion. White, firm, sweet, juicy, thin-skinned. Extra hardy. Eating, cooking, canning. Sept.

Early Crawford. Medium sized yellow. Juicy, high flavor. Aug.

Elberta. Yellow. Fruit large, firm, and excellent for canning. Sept. 15.

Golden Jubilee. Yellow. Aug. Extra hardy. Juicy, sweet, yellow flesh.

● **J. H. Hale.** Yellow, large, firm. Not vigorous but very delicious. Sept.

Late Crawford. Yellow. Late Sept.

● **Mikado.** Popular, yellow. Aug.

Rochester. Delicious, large yellow. Prolific bearer. Late August.

Valiant. Yellow, extra hardy. Late August. Large, good fruit.

QUINCES (*Cydonia*)

Bear 3rd year. Space 12 ft. Zone IV.

Orange. (P) Round, rich, golden yellow fruit. Excellent flavor. Sept. Cooking.

● **Champion.** Greenish, pear-shaped, young bearer. Oct. Jelly, jam, syrup.

PEARS

(*Pyrus communis*)

Bear 6th year. Space 20 ft. Zone IV.

● **Bartlett.** Large, rich, juicy, golden. Young bearer. Canning, eating.

● **Beurre Bosc.** Very large, rich, juicy. Late Sept.-Nov. Few windfalls. Eating.

● **Duchess d'Angouleme.** Extra large, greenish yellow, spotted. Excellent. Long-lived. Young bearer.

● **Clapp Favorite.** (P) Fruit large, pale, fine-grained, juicy. August.

● **Seckel.** Small, attractive. Blight-resistant. Sept.-Oct. Eating, pickles.

CHERRIES (*Prunus*)

SOUR (*P. avium*)

Bear 3rd year. Space 18 ft. Zone IV.

Early Richmond. Clear red, medium sized. June. One of the best.

Montmorency. Largest, firm flesh. Disease resistant. Finest quality. June.

SWEET (*P. cerasus*)

Bear 5th year. Space 20 ft. Zone V.

● **Black Tartarian.** (P—best.) Purplish black. Juicy, rich flavor. June.

● **Governor Wood.** (P) Yellow or light red, medium sized, sweet, juicy. June.

● **Yellow Spanish.** Large, yellow. Desirable for maraschino. Late June.

DWARF FRUIT TREES

A tree whose fruit is as large or larger than ordinary, but which never grows very tall—perhaps ultimately 12 to 15 feet. Space 12 feet apart.

A dwarfed tree can be sprayed, pruned and picked by hand without ladders, equipment or professional skill. Tree bears much earlier in life, in its third or fourth year at latest—often earlier—and carries amazing loads of fruit. Dwarfed fruits (especially Plums and Peach) are less liable to borers and other pests.

PRICES: All kinds listed below:

1 year—Not branched.....	\$2.60	Add 50c packing on orders under \$10
2 yea —Branched	3.90	
3 year—Heavier	5.25	

All three ages are about the same height. Most are 3 to 4 feet high, but apples often are still dwarfer.

5 year—(Apples, pears only) (bearing)...\$15.00

Kinds of Dwarfs Available

(Descriptions same as standards, Page 46)

Root Stocks: Apples on Malling types: certain kinds on 1, 2, 3 or 7 for reasons based on long experience.

Also, apples are available on Malling 9—Extra Dwarf, not over 6 ft. Specify if No. 9 desired.

Pears are on Quince; Plums on St. Julien; other fruits on Almond.

QUINCE

Orange
Champion

PEACHES
Belle of Georgia
Crawford
Eclipse
Elberta
Golden Jubilee
J. H. Hale
Hiley
Red Bird
Rochester
Valiant

NECTARINE

Boston
Hunter
Napier
Newton
Sure Crop
Red Roman

APRICOT

Alexander
Early Golden
Moorpark
Perfection
Riland

PLUMS

Abundance
Burbank
Damson
German Prune
Italian Prune
Red June
Reine Claude
Stanley Prune

SWEET CHERRIES

Bing
Black Tartarian
Lambert
Royal Anne
Windsor

APPLES

Cortland
Cox's Orange
Duchess
Oldenburg
Fameuse (Snow)
Gravenstein
Jonathan
Northern Spy
Red Astrachan
Red Delicious
Red McIntosh
R. I. Greening
Redwin Spy
Rome Beauty
Stayman Winesap
Spitzenberg
Wealthy
Yellow Delicious
Yellow Transparent

PEARS

Bartlett
Beurre Bosc
Clapp's Favorite
Comice (Riviera)
Duchess
d'Angouleme
Duchess Merode
Esther
Flemish Beauty
Gorham
Kieffer
Seckel
Sheldon
Wm. Nevis



DWARF FRUITS BEAR USEFUL QUANTITIES

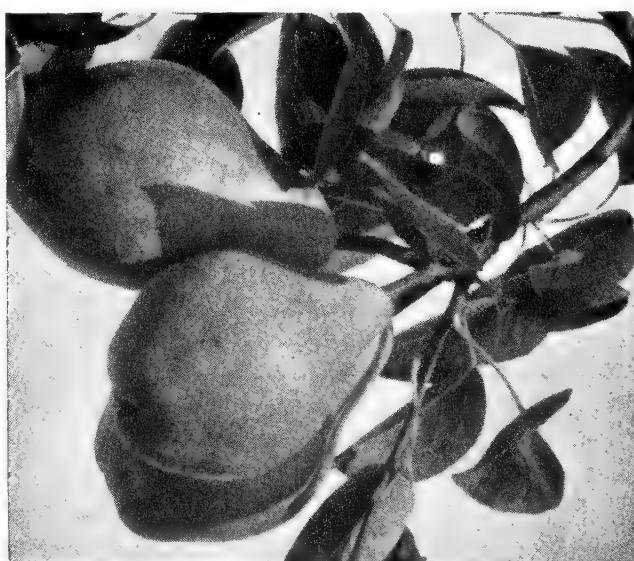
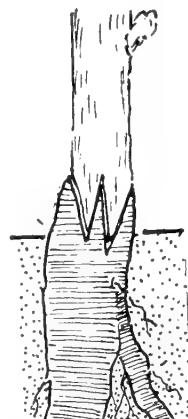
Dwarf fruits are not short-lived, but thrive and produce a generation or more. A space 25 ft. square will hold 4 dwarfs instead of one standard, and the 4 will bear about $\frac{1}{3}$ more fruit than will one standard tree—and will do it 2 to 4 years quicker!

DEPTH TO PLANT

The graft must be just above the ground. If too deep scion develops its own roots—is no longer dwarf. If too high, the root stock suckers.

Staking is usual, as dwarfs are weak at graft. We use extra strong W-graft, so stakes can be removed about 5th year.

Photo: End of side-branch on a dwarf Bartlett Pear.

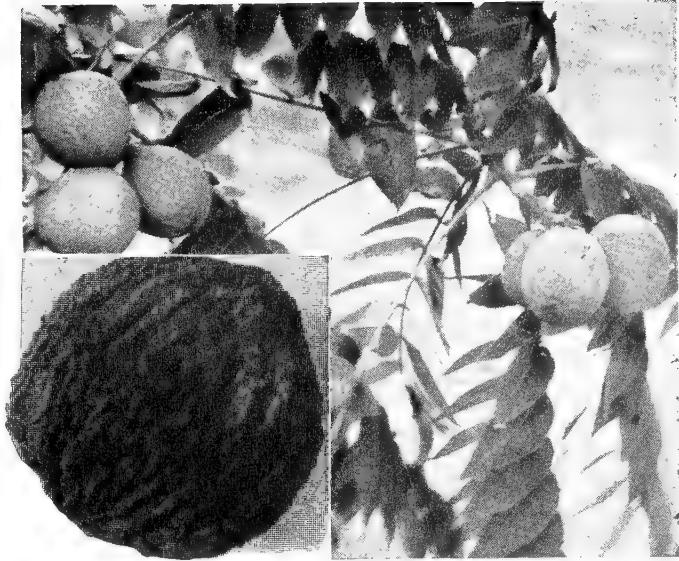


HARDY NUT TREES

Grafted Black Walnuts

One of our most beautiful native trees, growing well in any fertile well-drained soil. The grafted sorts bear their first nuts in the third to fifth year. Zone IV. **Ohio.** Fine quality nut, fast growth, easy to open. **Thomas** is a rapid-growing tree. The meat is attractive and tasty, cracks easily in halves.

3 to 5 ft. (Not sold singly) any 2 for \$10.00



Thomas Walnut—bearing branch and nut

Hazelnuts

Plant at least two for pollinating.

American. 9 ft. shrub. Zone IV. Tolerant, disease-free, excellent nuts.

2 to 3 ft. \$1.35 each, 5 for \$ 6.00
6 to 8 ft. 3.00 each, 5 for 12.00

European (avellana). 15 ft. Zone III. Even hardier, and larger nut.

1½ to 2 ft. \$1.35 each, 5 for \$6.00

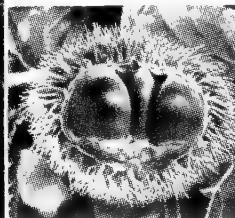
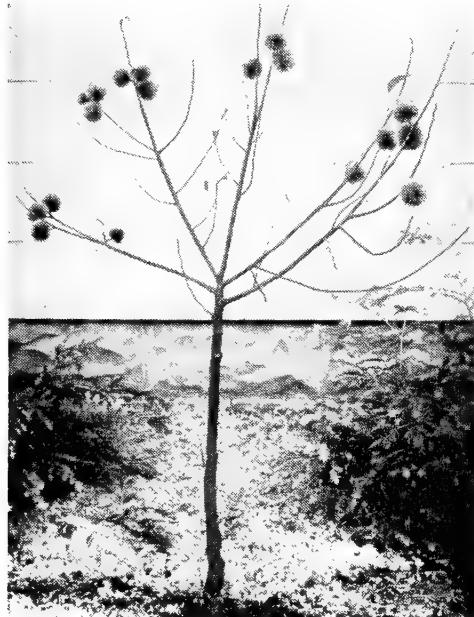


Photo:
Chinese
Chestnut
3 ft.
54 chestnuts
on a baby
tree!
3 nuts in
each bur

Blight Resistant Chestnuts

Chinese Chestnut (*Castanea mollissima*). Similar to the American in flavor (sweet). It is inured to the Chestnut blight. Lives and bears in Zone V. Bears very young. Because of cross-pollinating needs, we will not sell less than 3 trees.

Seedlings: (3) (10) (100)
2-3 foot (transplants) \$ 5.75 \$16.00 \$110.00
4 to 5 feet bushy 10.00 30.00 250.00

Named Grafted Varieties:

Nanking. Extra heavy yield, high quality. An outstanding variety. But one other kind must be planted with it for pollinating so we offer: 2 Chestnuts 4 to 5 feet for \$10.30

(We have a limited supply of ZIMMERMAN, CONNECTICUT YANKEE, ABUNDANCE, one of which we will supply—our choice—for the pollinator.)

Nut Orchard

One each of 2 Walnuts,
3 Seedling Chestnuts 2 ft.

FIVE TREES
for \$15.00

MOST herbs are easy to grow in average soil, well drained and in full sun.

Dried commercial flavors are far inferior in quality to fresh leaves picked as needed.

Stepping - Stone Collection:

Five kinds suited to growing between flags; spice the air, yet do not suffer from trampling: White Creeping Thyme, Crimson Thyme, Caraway Thyme, Lemon Thyme, Pennyroyal Mint.

3 each, 15 plants for \$ 6.25
12 each, 60 plants for 22.00

HERBS

Price: Any one kind 3 for \$1.25 (6 for \$2.25)

Bergamot (*Monarda didyma*). 3 ft. Sun or shade. Fragrant leaves. Showy old-fashioned salmon pink bloom.

Lavender (*Lavandula veris*). 18 in. Fragrant leaf and flower. Gather flower spikes when buds open.

Rosemary (*Rosmarinus officinalis*). Must winter indoors except in south. Narrow spicy leaf, delicious.

Savory (*Satureja montana*). 1 ft. Neat, sun, drain.

Tarragon (*Artemisia dracunculus*). 2 ft. Narrow glossy leaf, aromatic.

Germander (*Teucrium chamaedrys*). 1 ft. Rosy bloom, dark shiny thick-set

leaves. An excellent clipped dwarf hedge. Tolerant.

Heliotrope (*Valeriana officinalis*). 4 ft. Tolerant. Showy fragrant rose bloom in June-July.

Sage (*Salvia officinalis*). 2½ ft. Sun. (Holt's Mammoth), gray leaf, purple flower.

Kitchen Herb Collection: 3 each of eight kinds: Chives, Peppermint, Pot Marjoram, Rosemary, Savory, Tarragon, Sage, and Thyme, 24 plants in all, for \$10.00.

HUGE HYBRID BLUEBERRIES

Really beautiful as specimens or in hedges. A 100-foot hedge will pay about \$25 worth of berries a year! (Spaced 18 inches.)

Why Wait? Plant Some NOW!

And enjoy the berries sooner. Not only will they add beauty to your garden but each bush will pay for itself many times over! Hardy throughout U.S.A. Blueberries do fully as well with fall planting as with spring.

NAMED KINDS	(Each)	(10)	(25)	(100)
2 yr., 6 to 12 in.....	\$1.00	\$ 7.00	\$15.00	\$ 50.00
3 yr., 12 to 18 in.....	1.25	8.50	18.00	60.00
3 yr., 18 to 24 in.....	1.50	12.00	22.50	75.00
4 yr., 2 to 3 ft. (bearing).....	2.00	15.00	30.00	100.00

MIXED: 18 to 24 in. (our selection). 10.00 20.00 65.00

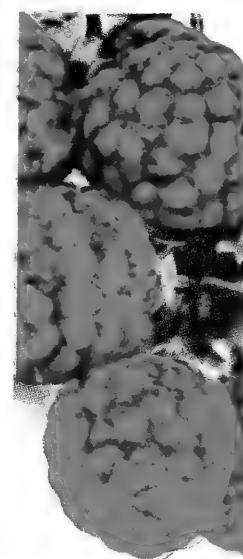
Cabot. Early, broad spreading bush. Home use.
Concord. Hardy, upright, midseason. Fine quality. Large.
Jersey. Latest and largest berry. Hardest.
June. Erect bush. Earliest, dark blue berries.
Rancocas. Early, good quality.
Rubel. Late. Tallest, most erect.
Burlington. Newest named kind. Later than all others. Good shipper. Large. Good quality.

Needs Only an Acid Soil

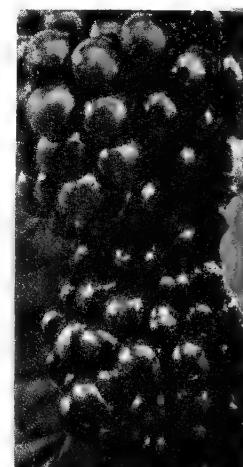
Blueberries require an acid soil containing peat or other rotted vegetable matter. They need a moderate supply of soil-moisture, and good drainage so that the roots can get air during the growing season.

Prune for Heavy Yield

You will get fruit if you just leave 'em alone. But more and larger if you cut out all old canes, and keep new shoots coming. Also when in bloom cut away about half each flower cluster. Fertilize in May.



Latham
Raspberry



Eldorado
Blackberry

Set the plants in beds 4 feet apart each way. Several varieties should be included in every planting, as an exchange of pollen is necessary to produce good crops of berries. Or order "mixed" if you wish—we will assort for good pollination. **All varieties are almost equally fine.**



BERRY BUSHES

Berries come on old wood only,
so prune after picking.

RED RASPBERRIES

(*Rubus Strigosus*) Zone I
(Each) (10) (100)

Latham. Old variety, very
dependable.. \$.50 \$2.00 \$13.00

St. Regis. Crops spring and autumn.
.50 2.00 13.00

BLACK RASPBERRY

(*R. occidentalis*)

Black Beauty. Most dependable
"blackcap."
Zone III..... .45 2.00 12.00

PURPLE RASPBERRY

(*R. neglectus*)

Sodus. Heaviest bearer of all rasp-
berries..... .50 2.25 13.50

BLACKBERRIES

(R. Species) Zone III

(Each) (10) (100)

Alfred. Large, upright and
dependable.. \$.45 \$2.00 \$12.00

Eldorado. The standard
variety..... .45 2.00 12.00

Crystal White. White Blackberry.
Novelty, good .50 2.25 13.00

THORNLESS BOYSENBERRY

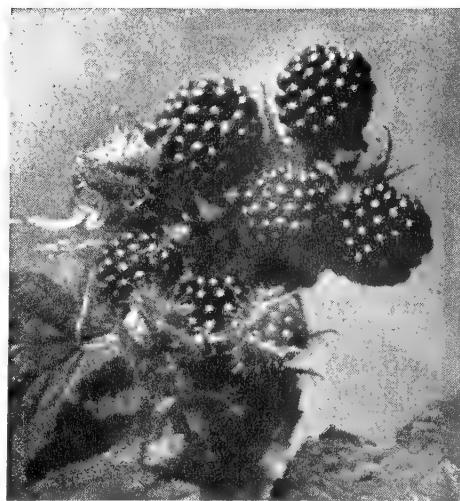
Huge, 2 in. berry, highest quality of
all brambles. Prolific. No better
berry known. Zone VI.

1 year..... .50 2.00 12.00

NECTARBERRY

Hugest and tastiest of all the new
hybrids. Heavier yields over a longer
period. The best. Zone VI.

1 year..... .50 2.25 15.00



Wineberry—Unusual, juicy

WINEBERRY (*R. phoenicolasius*)

Z. V. Juicy, red, fragrant. Fruit in
large clusters. Absolutely laborless.
Bears on both old and new wood—
so might fruit next summer! Unique.

(Each) (10) (100)
1 year..... \$.50 \$2.30 \$15.00

UNUSUAL FRUITS Native Americans

NOTE: The 10 rates do not apply to less than 10 of one kind

Hansen Bush-Cherry

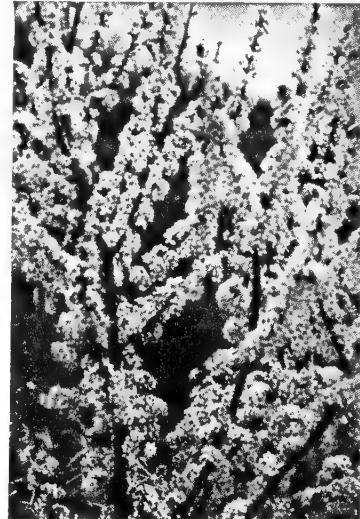
Five-foot shrub, covered with
dark red cherries the size of
plums. White blooms in May.
Silvery leaves turn gold and
flame in autumn. Bears 4th year.
Zone III.

(3) (10)

1½ to 2 ft..... \$3.50 \$8.00



Hansen Bush Cherry—Fruit, bloom



Beach Plum

Prunus maritima grows 6 to 8 ft.
high, hardy into Zone III. Thrives in
gardens better than on sea-shores.
Good drainage. Fine, useful plums.
3 to 4 feet, \$2.00 each; 5 for \$7.75.

Persimmon

Diospyros virginica. Small tree hardy
Zone IV. Tasty, nutritious fruit Sept.-
Nov. 6 to 8 ft. \$6.50, 5 for \$30.00.

Highbush Cranberries

Large fruited, heavy-yielding type
of *Viburnum trilobum*—high in pectin.
Zone I. Make sauce or jelly,
same as with cranberries, but strain
to keep out pits.

(Each) (10) (100)
18 to 24 inch \$1.00 \$7.50 \$55.00

Adams Elderberry

The large berries and extra fruit
clusters are a decided improvement
for pies, jam and wine. Zone IV.
2 ft. \$.90 each (10 for \$7.00).

Gumi Cherry

Eleagnus Multiflora (*longipes*). Red-
fruits, good raw or in jams and jel-
lies. Low shrub to 6 ft., indifferent
to neglect. Zone IV.

2 to 3 ft. \$1.80 each, 5 for \$7.00.

New American Mulberry

Ever-bearing, from June until Sep-
tember. Large, refreshing berries
without the mawkish sweetness of
most varieties. Zone IV. 4-5 ft. trees,
\$3.00 each; 10 for \$25.00.

Grape Vines (*Vitis*)

Hybrid Americans. Disease free.
Not less than 5 of one grape variety
at 10 rate. Most hardy Zone IV.

Old Varieties, (Each) (10)

2-year..... \$.60 \$4.50

Concord. Blue. Strong flavor.
Zone III.

● **Catawba.** Red, good wine.

● **Moore Early.** Large, early
black.

● **Delaware.** Early, small red.
Finest of older kinds in quality.

Diamond. Like Niagara; Zone IV.

Worden. Large early blue.

New Varieties,

(Each) (10)

2-year..... .75 5.00

Fredonia. The earliest black grape.

Portland. White and the earliest of
all grapes. Healthy, fine quality.

HARDY HERBACEOUS PERENNIALS

On these eight pages is packed more information and variety than in many a large perennial catalog. Strong, sturdy field-grown clumps are offered, except for kinds that do best in pots. Perennials are not shipped until late April and May as a rule, but ORDER NOW. We'll ship at the right time.

PERENNIALS last for years in the ground. One plant in New England has been recorded at four generations.

HARDINESS is sufficient to grow most kinds up to Zone IV. Extra hardy sorts include: Aquilegia, Campanulas, Dianthus, Delphinium, Hemerocallis, Iris, Lilium, Peony, Phlox.

PLANTING is simple: Work the loose earth well in among the roots; spread roots gently to allow this. Water well to settle. If growth has started, shade from direct sun first few days.

UNIFORM PRICED PERENNIALS

3 of one kind \$1.25 (6 of one kind \$2.25) Single plants: 55c.	Height (inch)	Space (inch)	Color	Time of Bloom	Special Cultural Notes
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ACHILLEA (Yarrow)

—Ptarmica (The Pearl).....12 8 white June-Aug. Avoid manure.

AJUGA (Bugle)

—Reptans.....4 8 blue May Mat. shade.

ALTHAEA (Hollyhock)

—rosea Double Giants.....60 8 (note) June-Aug. Specify color.

ALYSSUM (Madwort)

—saxatile compactum.....12 8 yellow Apr.-May Drain, sun.

ANCHUSA (Alkanet)

—Dropmore.....48 18 blue June-Aug. Drain, sun.

ANEMONE (Pasqueflower)

—Pulsatilla.....10 6 violet Apr.-May Drain, sun.

AQUILEGIA (Columbine)

—Hybrids, Long-spurred....	30	10	mixed	May-Aug.	Humus, sun.
—Caerulea.....	30	10	blue	May-Aug.	Sun or shade.
—Crimson Star.....	30	10	red	May-Aug.	Part shade.
—Chrysanth.....	30	10	yellow	May-Aug.	{ Any soil, but part shade.
—Chrysanth Silver.....	30	10	white	May-Aug.	

ARMERIA (Thrift)

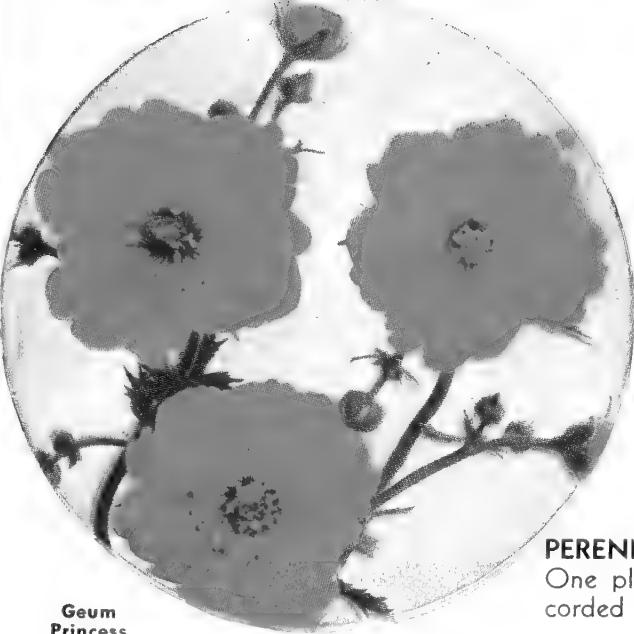
—Cephalotes rubra.....10 6 red May-June Sun, drain.

CAMPANULA (Bellflower)

—Carpatica.....	8	9	blue	June-Sept.	Part shade. Drain.
—Medium (Canterbury Bell).....	30	10	(note)	May-June	Color-choice: Order pink, blue, white or mixed.
—Calycanthema (Cup and Saucer).....	30	10	(note)	May-June	Easy culture.
—Persicifolia.....	30	12	blue	June-July	Tolerant. Drain.

CATANANCHE

—Caerulea major.....15 8 blue June-Sept. Dry, sunny.



Geum
Princess
Juliana



Veronica subsessilis



Aster, Beechwood Challenger

Astilbe Fanal

The name means "lighthouse" and the blazing, fiery spikes brighten any garden. May-June. 15 inches high. Space 12 inches. Rich, humus, sun or semi-shade. \$.85 each, 3 for \$2.00.

Fall Asters

Tolerant, tall. Any one kind priced 3 for \$1.50, 6 for \$2.75.
Harrington's Pink. Clear soft pink.
Beechwood Challenger. Best red.
Mount Everest. Snow-white.
Violetta. Darkest purple.

Frikarti Aster

Wonder of Staefa. The finest garden plant introduced in the last 20 years. Mass of flowers June 1 to mid-November. Sun or light shade. Ht. 30 in., space 15 inches. Lavender blue, branching, to 2½ ft. 3 for \$1.50, 6 for \$2.75, 12 for \$5.00.



Chrysanthemums

Here are the best for gardens. All need good drainage, yet water and manure in summer. Pinch back shoots in June and in July. Space 12 to 18 inches apart. Selected particularly for early (hardy) blooming.



Chrysanthemum Carnival

Outstanding New Chrysanthemums

Any 3 for \$2.00, any 12 for \$7.00, 75c each. One each, all 4 for \$2.50.

Charles Nye. The best yellow Mum. Multitudes of large blooms. 1½ ft. Late Sept. to frost.

Korean Princess. (Pat. 640.) Anemone-flowered. Rich bronze-red blooms, 2½ inches. Hardy. 2 ft. Mid-October.

South Wind. Chinese-red, toned salmon, large and in masses. Extra hardy. 20 inch, late Sept.

Carnival. The brightest thing in the Fall Garden. 3½ in. bronzy red. Superb dark foliage.

Large "Singles"

Koreans and other hybrids. Extra hardy. None quite single.

Eureka Giant. Gold-orange.

Primula. Single lemon-yellow.

Red-Bank. Nearly single red.

Sigurd. Coral-red and yellow.

Any one kind: 3 for \$1.25
One each all four: \$2.00

Large Hardy Doubles

All early; all extra showy. The best out of thousands—new and old.

Avalanche. Profuse white.

Chippewa. Huge aster-purple. Hardy.

Goldilocks. Fine canary - yellow balls. Early Sept. Long stem.

Lavender Lady. Clear color.

Mrs. P. S. du Pont, III. Salmon-pink.

Sept. Dawn. 3-inch, rose, fine.

Red Riding Hood. Dark, velvet crimson.

Any one kind: 3 for \$1.25
One each all seven: \$3.50

Cushion Pompons

Bushy, 2 ft., covered with double, mostly large blooms in Sept.

Lavender Lassie. Clear color.

Sept. Bronze. Small, gold-bronze.

Sept. Cloud. White, shaded cream.

Sept. Gold. Huge yellow sprays.

Any one kind: 3 for \$1.25
One each all four: \$2.00

New Spoon Types

Each petal a tube, open end. Early Oct. Single or semi-double. 2 ft.

Bronze Spoon **White Spoon**
Pink Spoon **Yellow Spoon**

Any one kind: 3 for \$1.25
One each all four: \$2.00

Hardy Button Types

Bushy little plants, filled with bloom.

Irene. Finest white button.

Jewell. Soft pink pompon.

Ouray. Rich glowing bronze.

Yellow Irene. Finest yellow.

Any one kind: 3 for \$1.25
One each all four: \$2.00

"Azalea" or Cushion Mums

Bushy, covered with semi-double bloom. Aug. to frost. Extra hardy.

Pink Cushion **White Cushion**
Red Cushion **Yellow Cushion**

Any one kind: 3 for \$1.25
One each all four: \$2.00

Coreopsis

Badengold. An outstanding novelty offered for the first time. A very large Indian yellow flower, 4 inches in diameter, on tall 2-ft. stems. A colorful garden plant and an excellent cut flower. Blooms practically all summer. \$.75 each, 3 for \$2.00, 6 for \$3.75.



Dianthus Old Spice

Giant Delphinium

Pacific Hybrids. The only mildew-resistant strain. Huge florets, strong spikes. Gorgeous colors. 3 for \$1.50, 6 for \$2.75, 12 for \$5.00.

Dianthus Old Spice

A Dianthus that looks and smells like a pink florists' carnation. Hardy. Blooms all summer, pink. 3 for \$1.50.

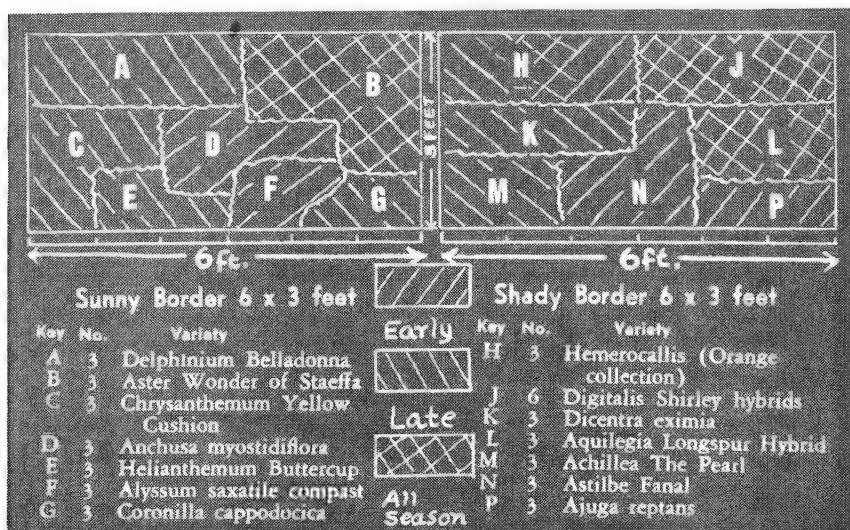
Serena. A novelty of merit. Large double ivory-white flower. Blooms freely all summer. It is the most fragrant Carnation we have. Outstanding in every way; do try it. 12 to 15 inches high. Prefers sunny, well-drained location. \$.75 each, 3 for \$2.00, 6 for \$3.75.

True Bleeding Heart

Dicentra spectabilis. Old favorite. Showy pink all summer. Space 12 inches, shade. Plant early in spring or wait till Fall. \$1.00 each, 3 for \$2.20.

PLANNING A PERENNIAL BED

The first step is to run through the lists; jot down all kinds that will grow on your location. After each name mark height—low, medium or tall. Group the names in three lots—late, early and all-season bloomers.



Complete, 21 plants above \$8.70

Complete, 24 plants above \$11.80

White Plaintain-Lily

Subcordata grandiflora. The well-known white August-Lily. 3 for \$2.00, 6 for \$3.75.

Loosestrife (Lythrum)

Morden's Pink. Profuse spikes of rose-pink, June to Sept. Very tolerant. Height 2 ft., space 15 inches. 3 for \$1.65.

Blazing Star (Liatris)

September Glory. Bright purple, July to Sept. Showy, 3-ft. plant. (Space 8 in.) Sun or shade. Tolerant. 3 for \$1.50, 6 for \$2.75.



Christmas Rose

Christmas Rose

Helleborus Niger. Tiny evergreen, with white blooms December to March. \$1.25 each, 3 for \$3.25.

Begin with the favorite flower: In the sunny border at left, Delphinium: Tall, late; space 12 inches. On paper marked in foot squares draw three square feet (any shape) and write 3 Delphinium. (This is minimum, fewer make no show.) Now the late garden is established as blue. A companion plant is all-season Aster Frikarti. Heighten the early blue with Anchusa. Yellow is a fine complementary. Put Chrysanthemums and other yellow plants in front. For each, the planting distance is carefully drawn. Change with the eraser until you get it to suit available space. The shade border: Here the favorite plant is Aquilegia (Columbine) and the whole garden matches them, with the blazing Astilbe for early flash. Later, on the left is a white, with a rose behind it and orange beyond.

Hardy Native Ferns

Each kind, \$2.50 for 10 (\$16.50 per 100)
Five each any three kinds for \$3.50

Christmasfern. 12 in. Dry, shade. Evergreen.

Cliff-fern (Polypody). 6 in. Evergreen, drain.

Hayscented Fern (Dunnstaedtia). 18 in. Tolerant.

Maidenhair (Adiantum). Rich, moist, but drained soil. Easily grown. Showy and popular.

Toothed Woodfern. 18 in. Evergreen. Damp soil.

Sensitivefern (Onoclea). Shade, heavy, moist. 12 in.

Interrupted Fern (Osmunda). 60 in. Damp, sunny.

Cinnamonfern (Osmunda). 60 in. Any moist soil.

Ostrich Fern (Pteretis nodulosa). 36 in. Very tolerant.

This makes a delicious, nutritious asparagus substitute. Cut in "fiddle-head" stage, wash well, boil 30 minutes, salt, serve like asparagus.



Forget-Me-Not

Myosotis semperflorens. Sentimental old favorite. Blue all summer. Space 8 inches, moist, shady. 3 for \$1.25, 12 for \$4.25.

Oriental Poppies

Bloom May-June, tolerant, any good soil. Water well.

Beauty of Livermore. Crimson, black.

Gold of Ophir. Nearly gold.

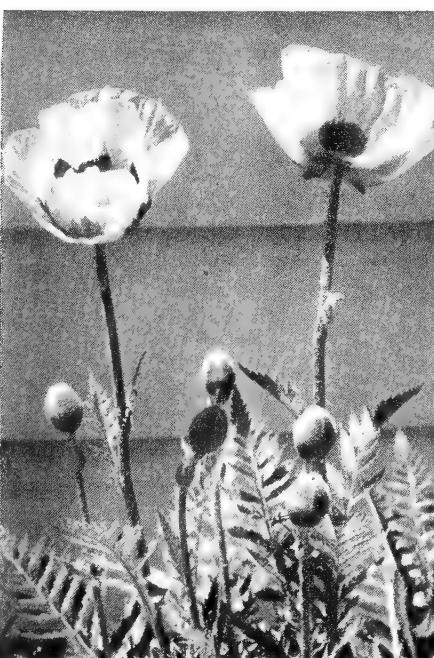
Mrs. Perry. Orange-apricot.

Barr's White. Superb white.

Mrs. J. Hawkins. Clear shell-pink.

Snowflame. (Pat. 365.) Upper half flame-orange, lower half of flower white.

All 6 kinds (one each) for \$3.50; 75c each.



Oriental Poppy

UNIFORM PRICED PERENNIALS

3 of one kind for \$1.25 (12 of one kind \$4.25) Single plants: 55c.	Height (inch)	Space	Color	Time of Bloom	Special Cultural Notes	
COREOPSIS (Tickseed)						
—Perry's Double.....	24	12	yellow	June-Aug.	Sun, drain.	
DELphinium						
—Chinese Tom Thumb....	12	10	blue	June-Aug.	{Sun, loose soil.	
—Belladonna (light)....	36	12	blue	June-Aug.	{Lime. Manure.	
—Pacific Hybrids (See specials, previous page).						
DIANTHUS (Pinks)						
—Barbatus (Sweet Wm.)....	24	12	(note)	May-Aug.	Red, white, pink.	
—Plumarius (Pinks)....	24	10	mixed	June-Aug.	Single and double.	
—Plum. Bristol Purity....	8	6	white	June-Aug.	{Lime, drain, sun.	
—Plum. Little Joe....	8	6	red	June-Aug.	{Fine doubles.	
—Old Spice (See specials, previous page).						
—Serena (See specials).						
DIGITALIS (Foxglove)						
—Hybrids, Shirley.....	60	6	various	June-Aug.	Sun or shade.	
—Ambigua.....	30	8	yellow	June-Aug.	Several spikes.	
GAILLARDIA (Blanket flower)						
—Giant Monarch mixed..	18	8	mixed	June-Oct.	Drain, sun.	
HELIANTHEMUM (Sun-rose)						
—Buttercup.....	6	6	yellow	June-July	{Carpet the ground in hot, dry, sun. Evergreen. Need no care.	
—Ben Ledi (new).....	6	6	crimson	June-July		
—Fireball.....	6	6	scarlet	June-July		
—Rhodanthum Carneum..	6	6	pink	June-July		
HEMEROCALLIS (Page 56)						
IBERIS (Candy-tuft)						
—Sempervirens.....	8	6	white	May	Evergreen.	
IRIS (Page 57)						
LATHYRUS (Perennial Sweetpea)						
—Latifolia.....	72	36	(note)	June-July	Pink, red, white.	
LILIUM (Page 56)						
PAEONIA (Page 57)						

DAY-LILIES

(*Hemerocallis*)

The 9 best in each color and season. Sun or shade; disease-free. Each kind blooms about 4 weeks. These new kinds are sensational handsomer than old-fashioned day-lilies: larger, brighter, showier.

Bloom Three Months	3 YELLOWS	3 ORANGE	3 PINK OR RED
	Collection of 3 \$2.40	Collection of 3 \$2.55	Collection of 3 \$3.05
June	{ Gaiety. Pale yellow, amazing (size. 50 in.) \$1.00	Dr. Regal. 30 in. Orange. The earliest....\$.55	Bagdad. Copper-red on orange. 42 in. ....\$1.50
July	{ Hyperion. Outstanding huge yellow .75	Mikado. Orange; red spotted. 36 in..... .75	Cinnabar. Mahogany on orange. 30 in..... .95
Aug.	{ Ochroleuca. Pale yellow, evening show. 42 in. .65	August Pioneer. Orange. Very late. 30 in. 1.25	Imperator. Rich red-orange. 48 in..... .60



Lilium estate



Auratum



Speciosum rubrum

Lilies

Easy to grow in drained soil. Part shade helps but some sun needed. Set bulbs 6 inches deep. Fertilize. Following kinds are tolerant, easily grown.

Amabile (Turk's Cap Lily). 3 ft., red; June. Black spotted. 3 for \$2.00.

Auratum. 4 ft. August. Cream, red spots and yellow stripe. Twenty or more huge flowers. 3 for \$3.50.

Elegans. Orange-red, June-July, 1½ ft. 3 for \$1.50.

Estate. Large pure white, 4 ft., July. Fine, hardy, tolerant new Lily. \$1.00 each, 3 for \$2.75.

Philippinense Formosanum. 2 ft. Aug. to frost. Huge, fragrant white blooms, streaked emerald and purple. No lime. 3 for \$1.50.

Regale. 5 ft. July. Tolerant, sunny. A dozen blooms on a stem, pink, white, yellow blend, fragrant. 3 for \$1.50.

—**Album.** Snow-white form. Showy. \$1.00 each, 3 for \$2.75.

Speciosum. 4 ft. Ruby marks on white. Aug.-Nov. Sun, tolerant. Large imported bulbs \$1.00 each, 3 for \$2.75.

—**Album.** Pure white form with yellow stripe. Large bulbs \$1.25 each, 3 for \$3.25.

—**Rubrum.** Rosy red form. 3 for \$2.50.

Tenuifolium (Coral Lily). 1 ft. Scarlet. June. 3 for \$1.50.

Tigrinum Plena. 1½ ft. Orange, black-spotted. Aug.-Sept. Double. 3 for \$1.50.

Umbellatum. Red, July. 2 ft. candlestick spikes. Very tolerant. 3 for \$1.50.

—**grandiflorum.** Large orange. 3 for \$2.00.

—**Vermilion Brilliant.** Bright blood-red, spotted black. 3 for \$2.00.

Wilmottiae. 20 blooms on a stem. 4 ft., July-Aug. Orange-red. Recurved petals. 3 for \$2.00.

NEW IRIS

Modern varieties are amazingly larger and brighter than old kinds.

Beardless Iris

(Moist, part shade, fertilize)

SIBERIAN HYBRIDS

June, 3 to 4 ft. Priced 65c each. 1 each of three kinds—\$1.75.

Emperor. Dark blue.

Heavenly Blue. New, clear blue.

Snow Queen. Enormous white.

KAEMPFERI HYBRIDS

July, 2 to 4 ft. Largest Iris. 3 of one kind \$2.25. 1 each of 4 kinds, \$3.75.

Gold Bound. White, gold center.

Mahogany. Double red, dark.

Blue Bird. Fine blue. Single.

Red Riding Hood. Single red.

Bearded Iris (Sun, drain, tolerant)

5 RECENT MEDAL WINNERS (1 of each, all 5, for \$5.25)

Elmohr. Huge unusual hybrid. Rich mulberry purple. \$2.00 each.

Missouri. Very fragrant. Deep blue. 50c each.

Copper Lustre. Big red-gold. 50c.

The Red Douglas. Fine large red, falls deeper color. Uniform tone. \$1.25 each.

Wabash. Highest rated. White, with violet falls. \$1.00.

EVER-BLOOMERS

May, summer, autumn—Fine show until late frost. Fertilize lightly between flowering periods.

Souv. Lt. Chauvenac. 15 in. Violet. 2 for \$1.10.

Jean Siret. 10" Yellow. 2 for 90c.

Paltec. Crested, blue, 2 ft. Rare hybrid. 2 for \$1.25.

Other Peonies
and Iris
quoted on request

SPECIAL: World's Highest rated peonies in 3 colors—**Le Cygne** (9.9 white); **Therese** (9.8 pink); **Philippe Rivoire** (9.2 red); for \$7.00 postpaid.



PEONIES

We offer 20 peonies—all double or semi-double—which achieve about all the effects of the thousands or so named kinds. Each is high-rated by American Peony Society (average 9.0; 10.0 would be perfect). Good 3-5 eye divisions. If set in deep, manured bed in sun, will last for a generation without any attention. Will ship now or hold till August as you prefer.

6 Weeks of Bloom	5 WHITES Collection for \$7.50	5 PINKS Collection for \$7.25	5 REDS Collection for \$8.50	5 YELLOWISH Collection for \$7.00
Mid-May	Le Cygne. 9.9—Huge fragrant ivory.... \$3.00	Mon. Jules Elie. 9.2—Fragrant pink.... \$1.25	Phil. Rivoire. 9.2—Crimson, fragrant \$3.00	Duch. de Nemours. 8.1—White and gold \$1.00
Late May	Mont Blanc. 8.6—Lacy, milky, fragrant..... 1.00	Rosette. 8.8—Clear shell pink..... 1.00	Wm. F. Turner. 8.4—Crimson, gold center..... 1.50	Laura Dessert. 8.8—Light lemon tone. 1.50
June	Mrs. Ed. Harding —9.3—Prolific white.. 1.25	Therese. 9.8—World's best pink..... 2.00	Longfellow. 9.0—Bright crimson... 1.50	Lucy Shaylor. 9.0—Pale yellow center... 2.00
Mid-June	Mme. J. Dessert. 9.4—Flesh white..... 1.25	Mary W. Shaylor. 9.0—Clear pink, dwarf 1.00	Felix Crousse. 8.4—Bright red..... 1.00	Primevere. 8.6—White and sulphur..... 1.50
Late June	Avalanche. 8.7—Cream white. Showy... 1.00	Sarah Bernhardt. 9.0—Apple blossom... 1.00	The Disc. (New). Brilliant red..... 1.00	Solange. 9.7—Odd buff and cream... 1.00

**PERENNIALS
THAT TAKE CARE
OF THEMSELVES**

	O = Bloom				
	early	May	June	Summer	Autumn
ASCLEPIAS tuberosa.	O	O	..
ACHILLEA ptarmica	O	O	..
ASTER frikartii	O	O	..
BAPTISIA australis	O	O	..
CAMPANULA medium	O	..	O	O	..
... rotundifol.	O	O	..
CORONILLA cappad.	O	O	..
COREOPSIS (var.)	O	O	..
CIMIFUGA racemosa	O	O	..
DICENTRA (varieties)	O	O	..
CYPRIOPEDIUM (var.)	O	..	O	O	..
IRIS versicolor	..	O	O	..	..
... pseudacorus	..	O	O	..	..
HEMEROCALLIS (var.)	..	O	O	O	..
LIATRIS scariosa	O	O	..
LILIUM (most vars.)	O	O	..
LOBELIA cardinalis	O	O	..
LYTHRUM virgatum	O	O	..
MERTENSIA virginica	O	..	O	O	..
MYOSOTIS semper	O	O	..
NEPETA mussini	O	O	..
PEONIES (most)	O	O	..
PENSTEMON barbatus	O	O	..
PHLOX subulata	O	O	..
... divaricata	O	O	..	..	..
THALICTRUM (var.)	O	O	..
THERMOPSIS carol.	O	O	..
THYMUS serpyllum	O	O	..
TRADESCANTIA (var.)	O	O	..
TRILLIUM (all)	O	O	O	O	O

Hardy Phlox

There are getting to be so many hundreds of varieties that the following rigidly critical list will be helpful to many:

**Decussata
(Summer Phlox)**

2 ft. July to October. Space 10 inches, sun, drained, fertilized. Never water foliage. Fine new kinds, any one kind—3 for \$1.25, 12 for \$4.25.

Appleblossom. Beautiful soft pink. Outstanding.

Chas. H. Curtis. Sunset-red. Late.

Chesapeake. Only 15 inches tall, bears large heads of rose, silver reverse. Individual florets $1\frac{1}{4}$ inches. Last well. 3 for \$2.00, 6 for \$3.75, 12 for \$7.00.

Flash. Crimson with orange center. Medium height, outstanding.

Mary Louise. The best and biggest white to date. Florets twice as big as any other white. Medium height.

Progress. Light blue, with deeper eye.

Ruby Lee. Extra large plum-red flowers. Healthy, vigorous growth; medium height.

Salmon Beauty (Eva Foster). Rich salmon-pink with white eye. Beautiful.

**Giant Penstemon
Firebird**

June to frost, large, fiery scarlet flowers. 3 for \$1.25, 6 for \$2.25.

**New Hybrid
Pyrethrum**

Disease free, rich soil, sun. 24 inch. May-June.

Brilliant. Semi-double red.

Rosary. Double pink.

Silver Tips. Double red, tipped white.

Any one kind, 3 for \$2.00

One each all 3 for \$2.25

Rudbeckia The King

Large, star-like, crimson-red blooms on stiff 4-foot stems. Easily grown. Insect-free. 3 for \$1.75, 6 for \$3.25.

Scabiosa Caucasica

Attractive pin-cushion blooms on 1½ ft. stems, June-July. Sun and drain. Space 8 inches. Order either white or lilac. 3 for \$1.50.

**Thalictrum
Lavender Mist**

Large pale purple panicles from July to September. Sun or shade. Maidenhair leaves. 75c each, 3 for \$2.00, 6 for \$3.75, 12 for \$7.00.

**New Spiderworts
(Tradescantia)**

Absolutely fool-proof. Sun or part shade. May-Oct., 1 ft. Any one kind, 3 for \$1.25.

Blue Stone. Clear blue.

Pauline. Rose lilac.

Summer Phlox in July



**Setacea
(Cushion Phlox)**

Compact, neater than subulata, blooms both spring and again heavily in autumn! New. Sun, drain. 3 of one kind for \$1.50, 6 for \$2.75.

Camla. Glistening pink.

Camla alba. Pure white.



Phlox subulata—Showy, dense, easily grown

**Divaricata
(Native Phlox)**

April to June, 10-inch stems of lavender. Delights in shade. 3 for \$1.25, 12 for \$4.25.

**Suffruticosa
(Early Phlox)**

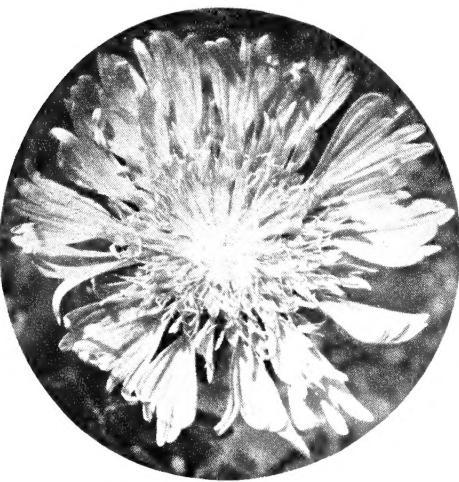
Sun, drain, space 10 inches.

Miss Lingard. The best early white known. June to October. 3 for \$1.25, 12 for \$4.25.

Rosalinda. Pink Lingard. (Same prices as Lingard.)

Stokesia Blue Moon

Light blue, 5-inch flowers June to November on stiff 18-inch stems. Hardy, insect free. 3 for \$1.50.



Stokesia Blue Moon

New Early Tritomas

No longer stiff "Red-hot Pokers," but graceful, loose spikes in gay colors starting in June and lasting to frost. Any one kind 75c each, 3 for \$2.00.

Golden Scepter. Hardy, 3 ft. saffron-yellow spikes June-July.

Primrose Beauty. Tall light yellow.

Springtime. (Pat. 318.) Upper spike is coral-red, lower half is ivory.

New Pink Verbascum (Pink Domino)

3 foot spikes June to Sept., drain. New, extra healthy, rose-pink. Fine plant. 3 for \$1.50.

Veronica

Longifolia subsessilis. Very tolerant; outstanding beauty. July-Sept. Blue, 18-inch. Space 8 inches. 3 for \$1.70 (10 \$5.00).

Viola Odorata

Fragrant bloom all spring. Hardy, easily grown. Any one kind, 3 for \$1.50, 6 for \$2.75.

Double Russian. Very fragrant blue.

Royal Robe. Large, deep purple.

Rosina. Pink, blooms again Fall.

UNIFORM PRICED PERENNIALS

3 of one kind for \$1.25
(12 of one kind \$4.25)
Single plants: 55c.

Height (inch)	Space (inch)	Color	Time of Bloom	Special Cultural Notes
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(inch)

PHYSOSTEGIA (False Dragonhead)

—Rosy Spire 36 12 rose Sept. Sun, tolerant.
—Summer Snow 36 12 white July-Aug. Sun, tolerant.

PLATYCODON (Balloon Flower)

—Grandiflorum 24 8 blue June-Sept. {Sun, drain. Do
not disturb.
—Grandiflorum album 24 8 white June-Sept. {not disturb.
—Mariesi 12 8 violet June-Sept. Showy dwarf.

PEONY (Page 57)

PLUMBAGO (Leadwort)

—Larpentae 12 8 blue July-Sept. Sun or shade.

SEDUM (Stonecrop)

—Sieboldii 8 8 pink Sept. Trailing, showy.
—Spectabile Brilliant 18 12 red Sept. Good color form.

TEUCRIUM (Germander)

—chamaedrys 12 6 red July

Sun, drain.

VALERIANA (Garden Heliotrope)

—Coccinea 24 12 rose May-June {Any garden soil.
—Coccinea Alba 24 12 white May-June {Sun, drain.

VERBASCUM (See specials above).

VERONICA (Speedwell)

—Rupestris 4 6 blue May-June Comp., creeping.
—Incana 12 8 blue July Tolerant, sun.
—Longifolia (See specials at right).



Photo: SUNNY PERENNIAL BORDER—Ten showy yet labor-saving, insect-free plants for such a position are: Bearded Iris, Peonies, Thymus serpyllum, Asters in variety, Baptisia, Phlox, Physostegia, Teucrium, Coreopsis, and Veronica.

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